

VOLUME II

A SCREENING CRITERION FOR DELIVERED SOURCE IN MILITARY SOFTWARE

(APPENDICES A THROUGH H)

Richard J. Pariseau
Software and Computer Directorate
NAVAL AIR DEVELOPMENT CENTER
Warminster, Pennsylvania 18974

14 November 1979

TECHNICAL NOTE AIRTASK NO. ZF61412001 Work Unit No.GC333 SELECTED FEB 2 2 1980

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED.

THIS DOCUMENT IS BEST QUALITY PRACTICABLE.
THE COPY FURNISHED TO DDC CONTAINED A
SIGNIFICANT NUMBER OF PAGES WHICH DO ROW
NAVAL AIR SYSTEMS COMMAND

NAVAL AIR SYSTEMS COMMAN Department of the Navy Washington, DC 20361

80 2 21 016

רווב טטרץ

AD A O 8 O 8 9 8

NOTICES

REPORT NUMBERING SYSTEM - The numbering of technical project reports issued by the Naval Air Development Center is arranged for specific identification purposes. Each number consists of the Center acronym, the calendar year in which the number was assigned, the sequence number of the report within the specific calendar year, and the official 2-digit correspondence code of the Command Office or the Functional Directorate responsible for the report. For example: Report No. NADC-78015-20 indicates the fifteeth Center report for the year 1978, and prepared by the Systems Directorate. The numerical codes are as follows:

CODE	OFFICE OR DIRECTORATE
00	Commander, Naval Air Development Center
01	Technical Director, Naval Air Development Center
02	Comptroller
10	Directorate Command Projects
20	Systems Directorate
30	Sensors & Avionics Technology Directorate
40	Communication & Navigation Technology Directorate
50	Software Computer Directorate
60	Aircraft & Crew Systems Technology Directorate
70	Planning Assessment Resources
80	Engineering Support Group

PRODUCT ENDORSEMENT - The discussion or instructions concerning commercial products herein do not constitute an endorsement by the Government nor do they convey or imply the license or right to use such products.

APPROVED BY:

DATE:

....

DISCLAIMER NOTICE

THIS DOCUMENT IS BEST QUALITY PRACTICABLE. THE COPY FURNISHED TO DDC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
	3. RECIPIENT'S CATALOG NUMBER
NADC-79163-50/-1001,-2	
4. TITLE (and Subtitio)	5. TYPE OF REPORT & PERIOD COVERE
A Screening Criterion for Delivered Source in /	
Military Software Volume II. Appendices	TECHNICAL NOTES
A through H	S. PERFORMING ORG. REPORT NUMBER
A chrough h	
7. AUTHOR(s)	S. CONTRACT OR GRANT NUMBER(s)
District Tolerand	
Richard J./Pariseau	
	•
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
Software and Computer Directorate	
Naval Air Development Center	AIRTASK NO. ZF61412001
Warminster, PA 18974	Work Unit No. GC333
11. CONTROLLING OFFICE NAME AND ADDRESS	12. REPORT DATE
Naval Air Systems Command	
Department of the Navy	14 November 379
Washington, DC 20361	98
14. MONITORING AGENCY NAME & ADDRESS(It different from Controlling Office)	15. SECURITY CLASS. (of this report)
(16) F67472	UNCLASSIFIED
	TISA. DECLASSIFICATION/DOWNGRADING
(17)7 E/424 1. 804	15a. DECLASSIFICATION/DOWNGRADING
16. DISTRIBUTION STATEMENT (of this Report)	
APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UN	ILIMITED.
17 DISTRIBUTION STATEMENT (of the shateset entered in Block 20. If different from	m Record
17. DISTRIBUTION STATEMENT (of the ebstract entered in Block 20, 18 different from	m Report)
17. DISTRIBUTION STATEMENT (of the ebstract entered in Block 20, if different from 18. Supplementary notes	m Report)
18. SUPPLEMENTARY NOTES	m Report)
•	m Report)
18. SUPPLEMENTARY NOTES	m Report)
Volume II; Appendices A,B,C,D.E,F,G,H.	
18. SUPPLEMENTARY NOTES Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number)	
18. SUPPLEMENTARY NOTES Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability	
18. SUPPLEMENTARY NOTES Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation	
18. SUPPLEMENTARY NOTES Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation Repair	
18. SUPPLEMENTARY NOTES Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation	
18. SUPPLEMENTARY NOTES Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation Repair Improvement	
Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation Repair Improvement 20. APSTRACT (Continue on reverse side if necessary and identify by block number)	
18. SUPPLEMENTARY NOTES Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation Repair Improvement 20. PSTRACT (Continue on reverse side if necessary and identify by block number) The goal of this study is to identify measurable	characteristics of the
Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation Repair Improvement 20. APSTRACT (Continue on reverse side if necessary and identify by block number) The goal of this study is to identify measurable program source code that indicate the likelihood of	characteristics of the future changes to the
Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation Repair Improvement 20. PSTRACT (Continue on reverse side if necessary and identify by block number) The goal of this study is to identify measurable program source code that indicate the likelihood of program modules. These changes include both repair	characteristics of the future changes to the
Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation Repair Improvement 20. APSTRACT (Continue on reverse side if necessary and identify by block number) The goal of this study is to identify measurable program source code that indicate the likelihood of	characteristics of the future changes to the
Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation Repair Improvement 20. APSTRACT (Continue on reverse side if necessary and identify by block number) The goal of this study is to identify measurable program source code that indicate the likelihood of program modules. These changes include both repair improvement in software performance.	characteristics of the future changes to the of software errors and
Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation Repair Improvement 20. APSTRACT (Continue on reverse side if necessary and identify by block number) The goal of this study is to identify measurable program source code that indicate the likelihood of program modules. These changes include both repair improvement in software performance. Source code data and module change data were analysis.	characteristics of the future changes to the of software errors and
Volume II; Appendices A,B,C,D.E,F,G,H. 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Software Reliability Investigation Repair Improvement 20. APSTRACT (Continue on reverse side if necessary and identify by block number) The goal of this study is to identify measurable program source code that indicate the likelihood of program modules. These changes include both repair improvement in software performance.	characteristics of the future changes to the of software errors and

S/N 0102- LF- 014- 6601

UNGLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

393538

SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)

The following conclusions were reached: (1) a pair of source code parameters (size/structure) in a linear relationship is a useful predictor of the number of changes, (2) a single parameter is not sufficient as a predictor of future change and, (3) multiple parameters and non-linear relationships do not significantly improve the prediction over the two parameter linear case.

The results can be made an acceptance criterion for delivered source modules prior to module testing. This application would support present Navy efforts to improve software reliability and maintainability through engineering techniques applied as early as possible in the software development process.

5/N 0102- LF- 014- 6601

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Date Entered)

TABLE OF CONTENTS

Appendix		Page
A	Sample Change Request	A-1
В	Sample Change Request Data Sheet	B-1
C	Raw Data	C-1
D	Descriptive Statistics for the Data	D-1
E	Correlation Coefficients Between Data Items and Measures of Change	E-1
F	Results for the Two Parameter Linear Fit	F-1
G	Results for the Multi-Parameter Linear Fit	G-1
н	Results for the Nonlinear Fit	H-1

ACCESSION	for
NTIS	White Section .
DDC	Buff Section 🔲
UNANNOU	NCED D
NNYMUOT	TION
IUSTIFICA	IIIUN —
L	
T	***************************************
-BY	UTION AVAILABILITY COOKS
DIZIKIB	AVAIL and/or SPECIAL
Dist.	AVAIL 800/01 34 50
The same	てつるし
1 1	100
14	المكر اع
147	. 1 () [] [
	1 \ 2 1 \

APPENDIX A
SAMPLE CHANGE REQUEST

DSCP CHANGE REQUEST - 45

Originator's Name: Norma Stopyra

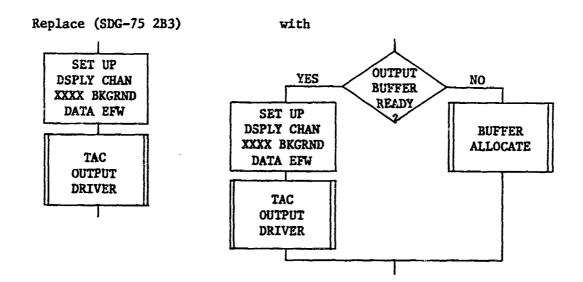
Page 1 of 1

Module: DUΒφφINS (SDG-75)

Date: 3/11/74

Title of Change:

Description of Change:



Justification for Change:

The program is calling the tactical output driver to send a nonexistent output buffer (word count = ϕ) whenever the 1st buffer transfer type is an error requiring the maintenance module to be called. In such cases, the output buffer should be released and the program should return to the calling module after other recovery processing is completed.

Implementation Period From 3/11/74

To 3/11/74

Team Initials:

Approval:

APPENDIX B SAMPLE CHANGE REQUEST DATA SHEET

		AAPOO)ljh	NADC-79	103-30					
			7 /	7 /	7	7	7		/	77
	/ É	3 / Q				/ <				
1 Destere Disele		10/27/7	2 711	RP		D	E	<u> </u>		
1. Restore Display	3	10/27/7 10/27/7		RP		D	E			
2. Sta #5 Flag		I								
3. Check Tags & Ptrs.	5	11/1/73	JH	RP		D	E			
4. HP Ptr Chk	15	11/29/7	3 JH	RP		D	E			
5. Fix HP Upper	17	12/9/73	JH	RP		D	E			
Limit										
6. Omit Reset	18	12/8/73	JH	RP		D	E			
7. Get Sta #	20	12/13/7	3 JH	RP		D	· E			
8. Omit Save Data	22	12/17/7	3 ЈН	RP		D	E			
9. More efficient App.	21	12/17/7	3 ЈН	RP		D				
10. Fix Tac Out Call	24	1.2/26/7	3 ЈН	RP		_ D	E			
11. Define Old Line		3/1/74		RP		D	E			
12. New # for	80	5/29/74		FW		_ D				
Alert Tag										
13. Set NOTAC Flag	94	7/9/74	CS	FW		D	E			
14. Non Std Alerts	525	3/30/76	WW	PR		D				
15.	120	3/22/77		AK		С				
										-
Υ										
							-			
								-		-
							,	-		
										

NADC-79163-50

APPENDIX C

RAW DATA

ARBREVIATIONS OF DATA ITEMS CHANGE DATA TC: TOTAL CHANGES 1. DC: DESIGN CHANGES 2. cc: CODE CHANGES 3. 4. uc: UNKNOWN CHANGE AREAS 5. KE: KNOWN ERRORS KM: KNOWN MODIFICATIONS 6. UNKNOWN TYPE EPPORS 7. UT: 8. PE: POSSIBLE ERPORS SOURCE IMAGE DATA NC NUMBER OF CAPDS 1. 2. NCM NUMBER OF COMMENTS NUMBÉR OF PROCESSED CARDS (SOURCE) PS 3. R-UR : REGISTERS-UNIQUE REFERENCES 4. 5. REGISTERS-TOTAL REFERENCES R-TR : NONBRANCHING OPCODES-UNIQUE REFERENCES. NB-UR: 7. NR-TR: NONBRANCHING OPCODES-TOTAL REFERENCES B-UR : BRANCHING OPCODES-UNIQUE REFERENCES 8. B-TR : BRANCHING OPCODES-TOTAL REFERENCES 9. DIRECTIVE OPCODES-UNIQUE REFERENCES 10. D-UR : D-TR : DIRECTIVE OPCODES-TOTAL REFERENCES 11. 12. AO-UR: ALL OPCODES-UNIQUE REFERENCES AC-TR: 13. ALL OPCODES-TOTAL REFERENCES LOCAL NAMES-UNIQUE PEFERENCES 14. LN-UR: LN-TP: 15. LOCAL NAMES-TOTAL REFERENCES GLOBAL NAMES-UNIQUE REFERENCES 16. GN-UR: 17. GN-TR: GLOBAL NAMES-TOTAL REFERENCES 18. N-UR : NUMBERS-UNIQUE REFERENCES 19. N-TR : NUMBERS-TOTAL REFERENCES 20. LE-UR: LOCAL EXPRESSIONS-UNIQUE REFERENCES LOCAL EXPRESSIONS-TOTAL REFERENCES LE-TR: 21. GE-UR: GLOBAL EXPRESSIONS-UNIQUE REFERENCES 52. GLOBAL EXPRESSIONS-TOTAL REFERENCES 53. GE-TR: <u>ALL VARÍABLES-UNIQUE REFERENCES</u> AV-UR: 24. 25. AV-TR: ALL VARIABLES TOTAL REFERENCES 26. ITE NUMBER OF IF-THEN-ELSES NUMBER OF DOWHILES 27. DOW 28. DOU NUMBER OF DOUNTILS 29. MN MCCABE NUMBER

PROGRAM CLAPITY

30.

PC

-		PE LN-TP PC	15. 298. 40608.	10164.	1. 10. 1205.	1. A.	1. 7. 1395.	3. 53. 27923.	1. 45. 30350.	15. 1012.	0. 19. 8213.	10. 107. 102548.	1. 48. 96143.	39.
PAGE		LN-UR NA	10g. 51.	- a. e.	*:	R.I.w.	41.	%. *	رج 8.	3.	• 1	фя. 15.	72.	18. 5.
		AD-TR DOU	327.	36.0	13. 0.	• • • •	o ñ o	67:	58.	÷.;	32.	183. 2.	040	
	32	AO-UP DOW	39.	 	*:	٠.	 	18.	, °°	• 6	17.	; °	36.	31.
	1 70	KA DTR	76.	12.	040	0 4 6	000	9,50	13.	040	- 5.5	33.	18. 8.	-44
	HODULES	D-UR AV-TR	393.	36.	36.	13.	12.	3.	, ç	.81	37.	5.		*=
	QOM	KE B-TR AV-UR	11.	0 6. 26.		÷ % 8	10.01	12°.	13. 34.	. 8 4 14 8 9	c + 4	9.5°	18. 45.	91.
		8-UR 6E-TR	12.	;;	* °	N 0	~ •	ທ່ວ	.0	ທ໌ວໍ	m 0	ë. %	ë.	::
		UC NB-TR GE-UR	147.	÷.	0.0	040	•••	000	9%0	000	o n			38. 1.
4		NA-UR LE-TR	30.	: •	v, c	m c		20	 	.	<u>.</u> .	\$ -	۲,	200
PAN DATA		CC A-TP LE-UP	211: 6.	9 % 9	:00	4.40	- 10	53. 0.	04.	÷	-000	169.	÷;	53.
-	•	R-UR	12. 60.	9.5	ហំហំ	<i>;;</i>	ง ์ คั	ii	18	***	5. 16.	13.	14.	12.
		N P D C	327.	360	13.	200	13.	67. 15.	- 85°	24.	32.	183.	- 4	£8.1
		NCM 6F:TR	869. 5.	ซู้ ซู้ ซ	46.	*¢	 1.	7.0	155.	72.	65.	279.	215. 5.	163.
		TC NC GN-UR	15. 1266.	134. 2.	69.	192	÷ • • • • • • • • • • • • • • • • • • •	25.5	1. 228. 2.	980	100.	13. 470.		1. 235. 8
		CATA DATA	DATA	DATA	DATA	DATA	DATA DATA	DATA	DATA	DATA	NATA DATA	DATA DATA	DATA	NATA NATA
		CHANGE SOURCE IMAGE	JH CHANGE Sourcf Image	CHANGE IMAGE	JH CHANGE SOUPCE THAGE	CHANGE SOURCE IMAGE	JH CHANGE Source Image	SOURCE THANGE	SOURCE JPAGE	JH CHÀNGE SOURCE IMAGE	CS CHANGE	CS CHANGE SOURCE IMAGE	CS CHANGE Source image	CS CHANGE DATA Source Thage Data
		Source	SOURCE	SOURCE	SOUACE	SOURCE	SOURCE	SOURCE	SOURCE	Soușce	CS (SOURCE	Souace	CS (SOURCE	CS (Source
		MODULF NAME	AAPOR1JH Sou	JAPRASJH CHANGE Source Image	AAPBN6JH Sol	AAPCB1JH Sou	AAPCN7JH Sou	AAPCS4JH SOU	AAPLU3JH Snu	AAPOF2JH Sou	ACCO01CS SOU	ACD001CS SOL	ACF001CS SOL	AC1001CS 50U
		MODUL	-	N	m	÷	ır	غ	-	ec.	σ	6	=	2

		PF LN-TP PC	0. 20. 16687.	n. 8.	3. 43. 69943.	3. 109.	962.	5. 65. 64794.	1. 32. 47844.	4. 84. 123813.	0. 30. 2956.	1. 8. 267.	0. 8. 267.	0. 8. 267.
Λ.						-				_				
PAGF		α:-Ν Ν	: : 	હેર	چ.	46. 20.	41-	31.		48, 15,	16. 6.	` , 	ั้งใ	จ๋าณ์
		UT A0-TR DOU	9.50	20.0	83.5	144.	12.0	96.	12. 13.	123. 3.	29.		0 F 0	÷;;
	4 2	A0-UR 00W	18.	16.	32.	36.		29.	. 56. 0.	35.	٠.٥	ທີ່ຕໍ	ທີ່ວ	. o
	13 TO	жм 0-тя 176	-04	°	-6.4	9 % 6.	• v •	9,00	÷;	32. 11.	• • • •	. %	° % ∴	0 0
		0-UR AV-TP	e e	3.	. *	169.	2. 13.	3. 106.	3.	133.	- 6	ii	÷	- : :
	MODULES	KE 8-TR AV-UR	23.		-:::	68°		3. 63.	0. 13.	24°	, e e	÷,,,	÷ , , ,	0 4 6
		H-UR GE-TR	; :	; :	& &	:°	~:	۲. 	÷:	¢ %	; ;	∾°	ณ _์ อ	0
		UC NB-TP 6E-UP	٠ <u>۴</u> -	13. 13.	c 6 0	76.	• v •	51.	où o	67. 2.	11.	0 00	969	• m •
4		NA-UR LE-TR	::	<i>•</i> •	°.	<u>.</u>	ν, ο •	5:-	16.	23. **	તે તે	.:		
RAW DATA		R-TB	37.	96.0	- 2 %	106. 3.	060	78. 1.	0;-	• % • *	.:.	o ကို o	• m •	0 % 0
Œ	•	R-UR	. 6	* œ	10.	13. 48.	ທູ້	35.	11.	13.	3.	e e	ค์ค	
		N 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-:4	00,4	83. 19.	3. 144. 13.	9 5 4	, 66 s	:55	12.55 8.55 8.55 8.55 8.55 8.55 8.55 8.55	9,50		 	0 t- N
		NCM SN+18	11.	9 5 0	147.	347.	‡ n	203.	139.	246.	78. 0	32.	35.	96°
		TC NC GN-UR	72.	115.	240	3. 500.	900	310.	33.0	37.65	107.	39.	cho	0110
		MODIII,F NAME CHANGE DATA Souipce thange data	N ACLUDICS CHANGE DATA SOURCE TWARE DATA	, ACNODICS CHANGE DATA Sourcy image data	SOURCE CHANGE PATA	SOURCE THATA SOURCE THATA	F ACROSICS CHANGE DATA SOURCE IMAGE DATA	1 ACSONICS CHANGE NATA Source IMASE NATA	ACTOOICS CHANGE DATA) ACVOOLCS CHANGE DATA SOURCE IMAGE DATA	ACVADPCS CHANGE DATA	PACVBIACS CHANGE DATA	1 ACVCOACS. CHANGE DATA Source Image Data	ACVDDTCS CHANGE DATA SOURCE IMAGE DATA
		M OM	Ġ.	<u>.</u>	<u>د</u>	16	1.1	£.	19	50	2	22	S	*

		LN-TR	0. 8.	1. 14.	13. 510.	15. 797.	1. 21. 1373.	13. 1373.	760.	0. 8.	9. 8. 267.	967.	0. 8. 267.	-:
٣														
PAGE		LN-UR NN	÷ 'n	o'r	æ m	¢.	12. 3.	17, 3.	<i>6</i> e	٠,٠	÷ .	i n	ં તે	å.
		40-18 000	°	- 10	9110	14.	17:	-5.0	- **	6.0	6 t 0	010	°.°°	
	36	A0-UR 00W	. °	÷.0	ν. •	. o			ທີ່ຕໍ	ທ່ວ	, o	0	ທີ່ຕໍ່	::
	25 TO	O-TR TE	90%	4.0	040	0 4 N	ง เง่ง		04%	° % ~	 	°	- 20 -	o
	HODULES	D-UR AV-TR	::	2:		21:	27:	27.	::	: <u>:</u>	-:	-:	ä	٠,٠
	HOD	AV-UR	° ° ° °	13.	1130			5.	13.	÷ , , ,	0 0 0	• N &	000	÷:%
		8-UR 6E-TR	~;	; ;	% 0		คือ	m o	∾์∈๋	% 6	~ 0	~ 0	ี่ 0 ๋	
		UC NB-TP GE-UP	000	040	:::	040	0.00	 	0.00	0 0 0	om e	• n c	. n o	•••
∢:		NG-IJR	. ċ	2:	~ .¢		e 0	# *	ζ.≐	. ċ	₹ €	::	2.0	ċċ
RAW DATA		R-TR	989	-;:	:; :	000	000	• • •	:::	000	• # •	o m c	000	
Œ 1		A-UR	m m	ค่ _ง อ	m••	m •	÷.	ก็ข้	ก็จั			ค์ค	m m	••
		N P SC	, ,	14°.	9 <u>:</u> 6	 	17. 5.	17:	- <u>4</u> .	62.4	0 × 0	940	9.4	:
		NCM GN-TR	, o	100	63°	38.	‡ °	41.	40	65.0	34.	33.	32.	12.0
		GN-UP	000		040	***°	****	. SB.	 	98.0	040	000	96.0	- 6
		CHANGE DATA Source image data	ACVENGES CHANGE DATA SOURCE THAGE DATA	ACVF10CS CHANGE DATA Source image data	DATA	DATA	CS CHANGE DATA	NATA. DATA	DATA	DATA DATA	DATA	0ATA DATA	DATA	SOURCE IMAGE DATA
		NGE AGE	NG.F.	MGE.	NGE AGE	NGE AGE	NGE AGE	NGE AGE	NGE AGE		NGF AGE		NGE AGE	NGE 9.05
		OH H	CHAI	7 C.	A T	ICS CHANGE SOURCE THAGE	CHA	CS CHANGE SOURCE TMAGE	O. T.	CHA	CS CHANGE SOURCE IMAGE	ICS CHANGE Source Thage	CS CHANGE Source Image	H H
		URC	E BC) URC	C C C	S JURCI	C C C	, 50 50 10	Z. Z.P.C.	SURCE) URC) JURC	, CA	THE CO
		MF SC). 3.060:	.180 90	ACVGOGCS CHANGE Source Thage	ACVH13CS SOL	ACV117CS SOL	ACV116CS SOU	ACVNOTCS: CHANGE SOURCE TMAGE	21.2 52.2	ACVP05CS . Sour	ACVS03CS S01	ACVT08CS SOL	150
		12 14	ACVE	ACVE	₽CV6	A C V F	ACV1	ACVI	A C K	ACVOITCS CHANGE SOURCE IMAGE	ACVE	ACVS	ACV1	ACVY15CS SOU
		MODULF NAME	ψ.	ć,	75	ď.	۶	ę,	Ē	· <u>φ</u>	£	36	35	ž

							RAW DATA	4								PAGF	4
						•		!			MODI	HODULES	37 10	48			
Ē	VORULF NAMF CHANGE SOURCE THAGE	nata nata	TC NC GN-UR	NCM FINE	DC PS	AUT A	CC R-TR LF-UR	NB-UR LE-TR	NB-TP GE-UR	A=UR GE=TR	AV-UR	0-UR AV-TR	KH 0-TR 1TF	A0-08 00v	UT AO-TR OOU	LN-110	PE LN-TB
31 I	ASPOOLCS CHANGE Source Twage	DATA DATA	8. 1033.	666. 19.	8. 358. 33.	118.	28. 8.	36.	192	 	73.	388.	c 6 4	54.	358. 27.	88.	8. 237. 432888.
38	ASPCKPCS CHANGE Source Image	DATA PATA	• 6 -	72.	٠٢.	e, o	• <u>•</u> •	<i>•</i> • •	eŭ.	• •	0 8 0 0 0 0	34.	• • • •	.0.	.75	 •	0. 27. 8080.
9.	ASPICICS CHANGE DATA Source image data	DATA	113.	66. 0	0,4	\$ °	300	25	• • • •	;;	646		23.	6.0	٠٠.	. e	13987.
e +	ASROOTCS CHANGE Source thage	DATA :	500		٥,٠	9. 15.	9 m	20.	900	ທີ່ຕໍ	0. 6.	35.		29.	• v ·	10.	17. 26613.
7	CAAOO1AS CHANGF Source image	DATA DATA	145° 5° 5°	82.	1. 58. 15.	9. 23.	-40	14.	33.	.	34.	, 62,		25.	58.	13.	1. 26. 30763.
ý.	CABOO1AS CHANGE Source Image	DATA	190.	120. 15.	, 46 19.	10.	000	15.	34.	۲.	1. 21. 46.	73.	-6.	25.	. . .	17. A.	1. 36. 29j31.
£.	CAFAOJAS CHANGE. Source image:	DATA DATA	120.	76.	38.	.51	0,0	• •	0 % 0.	ะี่ผื	0. 10. 29.		0 0 4	18.	98.0	ë.	0. i9. 10893.
÷	CAHDDIAS CHANGE SOURCE THAGE	DATA :	125.	85. 11.	ဗီ ဖို့ ဇ	-:	0 % 0	12.	000	•••		30.3		2:	ဝရှင်	åå	11604.
r.	CAJABIAS CHANGE SOURCE IMAGE	DATA DATA	3. 125. 8.	84.	, e		900	f. 0	36.5	ທໍ່ຄ້	2. 16. 30.		-64	13.	0.00	 ş.	2. 21. 6787.
ģ	CASOO1AS CHANGE SOURCE IMAGE	DATA	တို့ ကို	37.	<u>.</u>	; ;	0.00	ñ.o	owo	ທີ່ຕໍ	14.	3.	• ; -	0.	٠ <u>٠</u> ٠	, e. 0.	10. 10. 1632.
-	CHAGOIAS CHANGE Source Image	E DATA	n or v	** **	u 4.	 	m * 0	€ 0	96"	v. ÷		28.	%	17.	24.	. 	3. 13. 5888.
€ .	CBATS1AS CHANGE DATA Source image data	DATA	5. 121. 5.	6,0	200	13.	57.		0 %	ທີ່ດີເ	12.00 12.00 10.00	, 6 6		21.	52. 0.	Ç. 0	, 18 18. 23857.

u		34. 41. 9C	340	3801.	**************************************	62164 62164	င်္ခလိပ် ဇ	0° 7° 4000° 4° 400° 4° 40° 40° 40° 40° 40° 4	4681142 4681143	୍ ହ ହ ମ ପ ଶି ମ କ	32 605 25	17° 3424°	00°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0	င်ကိုကို ငြက်
PAGE		νη- Νη	 	ri.	10.	ų.ę	€i-	• 6	· K 18*	é n	33. 19.		• •	e ·
		01 000	0. 51.	200	22.0	31.0	•••	25.0	0 000	28.	207.	27.	980	e we
	9	AO-UR DOW	60	.0	25.	.:	**	**	7.0	ñ, o	6	::·	0,0	*0
	49 TO	D-TR TTE	٠ <u>٠</u> ٠		-e.*	••••	• n •	en-	-64	-6-	22. 18.	0 4 m	0 4 0	• . •
	HODULES	D-UR AV-TR		3.	3.	e 0	'n.	, . , .	71.	30.	3.	34.	e 4	Å.
	₩0	B-TR AV-UR	0. 19. 32.	996	199	17. 26.	· • • •	200	15. 37.	ง เก็บ เก็บ เก็บ เก็บ เก็บ เก็บ เก็บ เก็บ	# # # # # # # # # # # # # # # # # # #	16. 23.	9 9 9	0 m 0
		8-UR GE-TR	¢ c	÷ ñ	; ;	÷0	ณ์ อ	e 0	••	; ;		. .	; ;	6.6
		UC NB-TR GE-UR	٠,٠ ٠,٠	÷=.	, v.		•••	°	ဝက္ခံဝ	٠ <u>۲</u> ٠	137.	or c	000	•••
<		NS-UR LE-TR	÷ ċ	÷ 0	. v		÷ ÷	ę	. E.c	£ 6	ກໍ່ຕໍ	; è	13.	••
RAW DATA	# # # #	CC R-TA LE-UR	000	98.0	v. 2.0	• • • •	000	 	57.	000	173.	***°	56.	•••
		8-UR	7.	พูพู	20.	• •	::	•••	.6	; ;	14.	ณ์ เก็	e .	÷-
		N PS	53.	, ç v	72°.	÷		ចុំស្គឺសំ	966.	เช้น	207.	27.	52. 11.	
		SX+15	95.	37.	134.	96.	25.	66. 13.	99°	52.	309.	57. 12.	72.	. e.
		10 NO 80-NO	150.	4.60	, 10: 14:	130.	o in m	10.	17.	85. 11.	420. 180.	666	130. 12.	
		DATA	DATA	DATA	DATA DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
		CHANGE SOURCE IMAGE	AS CHANGE SOUPCE IMAGE		AS CHANGE Soupce Image	CHANGE ICE THAGE		AS CHANGE SOURCE IMAGE	AS CHANGE Soupee thage	AS CHANGE Soupee Image	AS CHANGE Source Thage		AS CHANGE Source Image	SOURCE THASE
		MODIILF NAME SOUF	CPC001AS SOUF	CADDOLAS CHANGE SOURCE IMAGE	CRF00145 SOUF	CHFOOJAS CHANGE SOURCE IMAGE	CRGOOIAS CHANGE SOURCE IMAGE	CHKR01AS SOUF	CRL001AS SOUF	CCR001AS SOUF	CCC001AS SOUF	CCEDDIAS CHANGE SOURCE IMAGE	CCF001AS SQUF	CCG001AS SOUF
		* ADDUC	0	0°	F	Ç.	53	ţ.	ς,	35	i,	e.	20	ē

×c		PF LN-TR PC	n. 31. 73362.	0. 111. ?3695.	1. 14. 26873.	0. 6. 1094.	0. 14. 12458.	30° 30° 37633°	2°, 2°, 35552°,	0. 16. 4235.	7, 19, 71903,	1. 22. 46126.	1. 6. 35166.	0, 9, 29 67 5.
PAGF		LN-UB	ř. č	* e	¢ 6	r.	€.4		10.	0.4		11.	is a	÷ ค่
		UT A0-TR DOU	9 % ¢	0.00		. 5. . 0	¢ • • •	. 25.		000	, , o	°÷°	990	6,00
	72	40-UP 00%	 	, °	, e	9.0	50	ις ο		15. 1.	20°	27.	***	9.0
	61 TO	0-19 11f	e ë 4	 	:	96.	ວທີ່ຕ	~ ° ° °	~ · · ·	96.0	-94	~r:	<u>:</u> 6:	0 4 N
	MODULES	D-UR AV-TR	A3.	ω. • 4.	 	3.	4	3.		3,	e o	66.3	 	
	HODM	KE 8-TR AV-UR	ວຸດທຸ	34:	- 8 6 • 6 6	**:	34.	%0. %0. %0.	30:	999	31:	16. 38.	10.	10.
		R-UP	÷ ;	; ;	ທີ່ຕຸ	, 6	40	٠.٥	. i	ທ ຕ	ທ່ວ	£ 0	ค์ค	m o
		UC NR-TP GE-UP	e ; .	36.	e 4.v.	04.0	ဝှ်ကိုဝ	000	36.	666	35.	0 00	e in	0 4 0
4		NA-UR LE-TR	ć. •	18:	4 c	::		 	ě.	-0	12. 0.		ë.	13.
RAW DATA	1 1 1 1	CC R-TP LF-UP	a	• ‡ -	51.	000	30.0	5.0	200	•	ก่ออ	000	-20	0 m 0
•	•	R-UR	28.	14.	=:		8 4	23.	7.	ຕູ້ທີ	20.	11.	10. 28.	55°
		000 PS	. 83. 18.	. 65°.	. 6 .	95.6	\$0. 12.	72. 15.	« « ·		52.	71:		\$6. 15.
		NCM GN-1P	20.	64.	56.	31.	80. 16.	100.	90.	3.	72.	121.	75.	78. 24.
		TC NC NC NC	190.	120	202	000	125.	175		v	3. 130. 6.	195.	150	145
		DATA	DATA	0474 0474	0.41A 0.41A	DATA	DATA DATA	DATA	DATA	DATA DATA :-	DATA DATA	DATA	DATA	DATA
		CHANGE SOURCE TMAGE	CHANGE PCE THAGE	CHANGE PCF IMAGE	CHANGE ACE IMAGE	AS CHANGE Source Image	CHANGE 1CE IMAGE	AS CHANGE SOURCE ! MAGE	CHANGE PCE IMAGE	CHANGE RCE IMAGE	AS CHANGE Source Image	CHANGE PCE IMAGE	AS CHANGE SOURCE IMAGE	CHANGE ACE IMAGE
		MDDIILF NAMF SOUF	CCHAA1AS CHANGE SOURCE TWARF	CCJODIAS CHANGE SOURCE IMAGE	CCKAATAS CHANGE Saurce Image	CCL0014S SOUF	CCMDO1AS CHANGE Source Image	CCP0014S SQUF	CDADDIAS CHANGE SOURCE IMAGE	COBOOLAS CHANGE SOURCE IMAGE	COCOOTAS Sour	CDD001AS CHANGE SOURCE IMAGE	CDEONIAS	CDF001AS CHANGE SOURCE IMAGE
		HODILL	ç.	çş	ć.	79	5.5	ξ.	£9	æ .	Ç	č -	Ë	. 22

۲		LN-TR	17. 27178.	1. 8. 21837.	0. 3. 6541.	35.	0. 27. 87913.	4. 9). 80342.	19. 8461.	0. 17. 13922.		7] 0.	77.	÷ 600
PAGE		2 2 2 3 2 4 2 7	° "	åå	ç: <u>.</u>	.ஃ.≐		39,	. <u>.</u>	6.4	F1.	÷-	33. 13.	٠,,-
		017 A0-TR DOU	ဗီ ရီ င	c M c	. .	* # °	93.	1255.	330	o m d		110	116.	÷ + 6
	8	A0-UR 00W	83° 0	 	.°°	, e	31.	÷.0°	.0.	36.	• •	.	7.	r, 0
	73 TO	D-TR 1TE	0.4	-6:	• % c	000	¢ 0 4	23.	⇔ 4 M	₹.		• N C	27.	٠
	MODULES	0-UR AV-TR	m oʻ	, e 4	25.	ณ์ คั	85°	149.	~ og	32.	٠٠. ٢٠		3. 138.	- 6
	HOD	RE-TR-UR	33.	. a	646	9-6	18.	78.		23.			26. 66.	0.0
		8-UP 66-18	; ;	; ;	.:	-: :	.		î, ç	••	÷ &	÷.*	·**	::
		UC N9-TR GE-UR	39.	. " o		•••	. 300	0 00	e š e	04.0	c & v	oci		or
< (ı	NB-UR LE-TR	: é	<u>.</u> .	<u>:</u> •	÷ •	6.0	 	<u>.</u> .	<u>:</u> -	# *	e 0	5.6	m e
PAW DATA		CC R-TP LE-UR	, o	-40	330		.00	w. c. o	000	30.		666	-60	or o
- ,		R-UR	13.	17.	12.	÷:	13. 36.	320	~ 6	: :	; :	; :	13. 52.	ค์ส
		N P D C	. S.	13:	230	-6-	93.	125.	c K &	99.0	6	1:0	116.	32.6
		S T T T T T T T T T T T T T T T T T T T	80. 12.	52. 18.	9.9		127.	25 25 26 4	5.	67.	÷ •	9.0	183.	; -
		GN-UR	145.	% ° ° °	000	15.	225.	3A3.	÷;,	105.	ς κ, φ	0 K. \$	33.4	<u>ะ</u> ผู้-
		CHANGE DATA SOURCE IMAGE DATA	CHANGE DATA RCE IMAGE NATA	CHANGE DATA	AS CHANGE DATA Source twage data	AS CHANGE DATA Source Image Data	CHANGE DATA	CHANGE DATA RCE IMAGE DATA	AS CHANGE DATA Source thage data	CHANGE DATA	CHANGE DATA RCE 144GE DATA	AS CHANGE DATA SOURCE THAGE DATA	CHANGE DATA	CHANGE DATA
		HODULF NAME SOUR	CDGDDJAS CHANGE Source thage	COLOGIAS CHANGE Source thage	СОНООЗ	CPHOOJ	CLEGATPZ CHANGE SOURCE THAGE	CWDAAJAS CHANGE SAURCE TWAGE	CHPERS	CNSODIP7 CHANGE SOURCE IMAGE	CPEOOJAS CHANGE Source Thage	CSANO	CTS00)AS CHANGE SOURCE THAGE	CTSAA7AS CHANGE Soupce image
		400	7.3	*	2	*	2	7.8	5	e a	2	&	£	₹

ą.	LN-19.	0. 35.	11.	0. 8. 2139.	13. 9875.	1. 9. 7625.	1610.	.0. 10. 3jsa.	3. 33. 27342.	1. 47. 137235.	1. 80. 214465.	47° 65036°	1. 93. 711218.
PAGF	47 1-N-1	 	٠.٠		₫. ♣	é é	יי. ת	 		73.	88 80 80 80 80 80 80 80 80 80 80 80 80 8	20.	37.
	07 An-TR 0011	60.1	24°°°	6.00	28.1	36.0	010	18.	57. 0.	118.	157.	9.0	148.
ç	40-UP	3.5	17.		20. 3.	9.0			2%	9.0 0	35.	32.0	;0
85 TO	0-TR 17E	C C 4	~ 8 %	÷	~ 40	-4%	 	 	644	615	9%	15.	30.
HODULES	D-UR AV-TR	င့်တွ	, 8 8 8	3. 17.	3.	3°	2. 16.	e s	* 99	4.0	166.	÷ģ.	1 55.
QCX	R-TP	12.			5.5.	18.		์	0 11. 36.	, 00 t	38.		300
	8-118 6£-18	ທີ່ຕໍ	, e	n e	;	; .	e 0	ค่อ	٠.٥	. .	ç. *	٠.	÷.
	UC NH-TP 6E-11P	000	18.0	÷ ; ;		 		6110	. v. o	0 4 0	970	o n o	÷ ; ; ;
∢ 1	NH-UR LE-TR	: :	~ ·		 	<u>~</u> •	r.c	÷ ċ	::	6.4	÷:	 0.	.5.
PAW DATA	CC R-TP N LE-UP L	000	 0.		3.0	0 % 0	• • • •	0 2 6	พ.ศ. จ	133.	142.	ဝန္က ဝ	1. 124. 2.
••	R-138	19.	5.			8 :: : 8	e •	4.	8. 23.	11.	10. 53.	. 02 20.	11.
	DC PS	e ç, r	-5.0	• • • •	0. £. 6	24.0	- <u> </u>	. 18.	57. 13.	118.	157.	78.	148. 16.
	NCW RN-1B	. e.	3.	33°	, o	39.	28 3.	37.	112.	179.	342.	,59. 12.	253.
	1C NC 6N-1JR	145.	v	င်င့္က	. ភូ	กรู้ก็	, ,	60.	3. 190. 7.	305. 13.	505.	240	405.
	nata nata	nata nata	DATA	DATA DATA	DATA	DATA	DATA	DATA	DATA DATA	DATA	DATA	DATA	DATA
	CHANGE Soupee Thage	AS CHANGE SOURCE THAGE	CXANNIAS CHANGE Soupce Image	CZGAAJAS CHANGE Source thage	C71001AS CHANGE SOURCE TWACE	GZLON1AS CHANGE Source Image	AS CHANGE Soupee thage	CZZODJAS CHANGE Soupce thage	DAAAAINS CHANGE Source Thage	SR CHANGE SOURCE IMAGE	DAIDDINS CHANGE SOURCE THAGE	DAMDOISB CHANGE Source Image	SB CHANGE SOURCE IMAGE
	Soupe	9AS Sourc	1AS SOUPC	1AS SOURC	1AS SOURC	1AS SOURC	1AS SOUPC	1AS SOUPC	1NS SOURC	1SB SOURC	INS SOURC	158 Sourc)SR SOURC
	MODULF NAME	CTSAA9AS Soi	CXAPA	C7600	C7100	נגרטע	CZTONJAS SOU	CZZ00	DAAGG	DACOO1SB SOL	04100	DAMO	DAS0015R 50U
	ž Č	ድ ቪ	ę.	Ę.	Œ	œ O	6	5	۴ ,	63	*	ę.	ş

41

		LA PE	30.	0. 22. 45625.	0. 22. 16767.	2006	0. 17. 13979.	123.	44.30	* * * * * * * * * * * * * * * * * * *	io 8	2340.	0. 8. 3458.	5394.
PAGE 9		N-CIR NN	 	11. 6.	.i. 5.	້ວໍດ	13.	m-	F1.	ë-	e. .	<u>.</u>	Wi-	.
		40-18 DOU	55. 0.	o	:;:	0 20 0	040	0 N O	 		•••	* * ¢	000	25.0
	108	40-UR 000*	.0	27. 0.	ر د و و	5.0	19.	; ;	. 0	e e	; ;	***	13.	15.
	97 10	AT.0	. <u></u> .	90,0	င်ထောက်	64	0.6.	÷ : :	:-:	;.:	:: :	ۏ <u>ڋ</u> ۏ	• n •	0 r m
	MODULES	D-UR AV-TR	* ° ° °	48	38.	14.	35.	%	101			3.	23.	33.
	QOM W	KE B-TR AV-UR	33.	10.	26.	•••	986	6.0	000	÷:÷	<u></u>	13.0°	9.00	
		8-UP 6E-TP	••		6 0	m o	; ;	-:		::	-:	พื้อ	m 0	;;
		UC NB-TR GF-UR	0,00	e no	000		9,0	 	ov.c	6.00		046	• • • •	::°
٠ .		NB-UR LE-TR	17:	<u>.</u>	ë.	;;	: •		; ∈	~:		; ċ	••	. .
RAW DATA		CC R-TR LE-UR	649	67:	9 % O	or.	• * •	÷;;	0.00	040	ceo	•••	010	
• •		A-LUR T-T-R	11.	11.	å *	ณ์ ณ์	; ;	m	* ñ	; .:	* ñ		* 8	5:11
		PS PS		• 0,0	0.7.6		0 0 0	- w	e e m	64.	÷:-	0 2 6	, ç,	25.
		NCH SN-12	118.	114.	115.	8 ° °	66.	\$°	6.4	20.	% 0 0	÷ ~	50.	69
		TC NC NC	1901 104	180.	160.	or. • • •	113.	ວຸນັ້ນ	94.6	040	÷	70.	0 th • th	1001
		ĎATA NATA	DATA	DATA DATA	DATA	DATA DATA	DATA DATA	DATA	DATA	DATA	DATA	DATA	DATA DATA	DATA DATA.
		CHANGE Source Thage	CHANGE CE TMAGF	CHANGE CE IMAGE	MC CHANGE Source Image	CHANGE CE IMAGE	CHANGE CE IMAGE	BW CHANGE Source 1446E	BW CHANGE Source, Image	RW CHANGE Source Image	RW CHANGE Source Image	CHANGE CE IMAGF	NS CHANGE SOURCE THAGE	CHANGE CE IMAGE
		NAME Sour	DAVONISB CHANGE Source Thagf	DAWAA15B CHANGE Source Image	DCAOG1WC SOUR	DCHOOISH CHANGE Source Image	DCC001PW CHANGE Source Image	DCCCCPHV Sour	DCCCE3BW SOUR	DCCCNORK Sour	DCCCV1RW SOUR	OCMOOINS CHANGE Source Image	DCT001NS Sour	NCWBBINS CHANGE SOURCE IMAGE
		MODINE NAME	7¢	70 86	<u>5</u>	100	101.	102 D	103 0	104 0	105 D	106 0	107 01	10A

آ،		PF LN=TR PC	1. 34. 115044.	1. 25. 16691.	0. 47. 53593.	67. 158476.	19.	n. 17. 35216.	0. 65.	0. 12. 25367.	, 0. 16. 5195.	0. 49. 59469.	6410.	27.
PAGF Î		ב א-ונים א-ונים	Ę. ď	.5.	10.	29.	ë. *	ở ₹	 	÷.	o m	22. 10.	\$2	ě, č
		101 0011	100.	c c o	611	121.	51.0	300	127.	• • •	6 K 0	75.	33.0	:;:
	120	A0-UP 500	٠ د د د	ĕ. ¢	9.0	÷ c	\$ 0	25. 5.5	; °	25. 0	13.	28. 0	17. 0	20.
	109 10	DITE TTE	: <u>:</u> ;	00.4			erm •	c r n	95.6	000		0 ¥ &	o.n	e č e
	MODULES 1	D-UP AV-TR	76.	38.	* 2	120.	÷÷	39.	116.	37.		*£	4.	• 6
	MOD	#=18 AV=UR	15. 39.	1. 22.	0. 16. 39.	22. 59.	300	29.5	300	29.	\$ m	36.	13.	င်္က ရ ရ
		8-UP 6E-TP	; :	ı, c	* .	• e	; ;	;;	10.	; :	; ;	. 0	m 0	v, c
		48-18 65-UR	e je	53.0	o		35.	٠٠.٠	000	· %	:::	• • •	180	989
⋖	,	NA-139 LE-TR	, e	• •	4. c	£-:	<u> </u>	ë.		5%	÷ 6	5.0	10. 0.	Ë
PAN DATA	1	R-TP	117.	÷;0	e æ e	 		c ° c	135.	÷	57.0	• • •	000	9 %
Δ.	,	R-UR	::	• •		38.	::3	13.	35.	79.	* m	12. 24.	**	9.
		2001	- 61	-64	٠ <u>٠</u> ٠.	121.	51:		127.	04.0	250	75.	 	6.75
		NCH GN=TR	143. 18.		137.	173.	93.	÷.	729.	.; 6:	.÷	215.	52.	116.
		10 NC 6N+UR	250.	102	33.0	300.	145. 9.	150.	370	6.00	105.	٠,٠,٠	÷ ; ;	160.
		nata nata	DATA DATA	0.4.T.A. 0.A.T.A.	nata nata	DATA DATA	DATA	DATA DATA	0.47.A 0.47.A	DATA DATA	DATA	DATA	DATA	DATA
							HANGE							
		IANF CHANGE Source Thage	DDCAA15H CHANGE SQUACE TWARF	DDFAO1PW CHANGE SOURCE THAGE	DDWADISA CHANGE SOUPCE IMAGE	DDSOOTSA CHANGE Souper Imarf	DDVAA1SA CHANGE. Saubce 1mage	DDWGDISA CHANGE Source thage	DESDOINS CHANGE Source Image	DF AND 1RW CHANGE SOURCE IMAGE	DFCODINS CHANGE SOUPCE IMAGE	DFEDDINS CHANGE SOURCE THAGE	DFM001AW CHANGE Source Image	NFPOOLCS CHANGE SOUPCE LHAGE
		HODULF NAUF												
		G 2	104	114	Ξ	5	: :	:	<u>.</u>	15	117	118	119	120

_		T T T T T T T T T T T T T T T T T T T	3. 31. 28308.	2199.	c & Q	. c.	1701:	4.0	0. 76. 250906.	0. 103856.	0. 48. 99640.	, 3. 16431	369.	7.60.
PAGF 11		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4. E	di-	Ei-	·Ç.r.	#01	4 d	37.	13.	21. 13.	**	4.1	ěň
		40-TR 000	¢ ç -	150	000	0 e 0	14.0	101	168.	89°	9 6 6	, , , ,	• • • • • • • • • • • • • • • • • • •	•:•
	132	AO LUR DOW	*°	::	\$0	÷°	, o	6 0	9.0		35.	25.0	• 0	¢ o
	121 TO	A T T T T T T T T T T T T T T T T T T T	÷ <u>:</u> ÷	c ; c	 	 		¢¢	13.0	55.	55.	62.6	666	ဝိက်လိ
	MODULES 12	6-UP	• ¢	16.	. · ·	, e4	16.	12.	167.	**	98	₩. 13.	11.	2.5
	GOM	8-18 A-18 8-18	, 4 4 4	120	5%:	23.		9 6 9	33.	, 00°	000 400 400 400 400 400 400 400 400 400	3.00	120	9
		B-UR GE-TR	::	N°C	25	• •	~ °	~ 0	ë.		÷-	\$ 0	80	40
		NB-TB	÷	•••	• · · •	••••	• • • •	÷ • •	300		5%.	• * •	646	÷ % ÷
<	,	NR-UR LE-TP	13.	, °		\$ %	<i>::</i>	. 6	ر <u>د</u>	å.	6	<u>:</u> :	∾ี င	
RAW DATA	# # # # #	CC R-TR LF-UR	• **•	ëë.	<i>:::</i>	97.		÷	163.	000	300	v.;		
_	•	R-UR N-TR	7.0	* m	v e	ř.	เก๋เก๋	ก็จ๋	5.00	32.	37.		%-	n, m
		N 00 00 00 00 00 00 00 00 00 00 00 00 00	we'r	٠	.5.	ė g n	: <u>;</u> ;	¢ č č	168.	39.	93.	-;:	000	6.5.6
		NCH SN-18	153,	56.	51. 3.	86.	**	£ 4	33.9 4.4	13.	226. 9.	49.	80 9	53.
		ON-UR	210°	្តិ ស្តី ស្តី	c m n	25.0	o on	0 KM	535.	33%.	0 7 0 0 0 0 0		99	
		DATA	DATA DATA	SATA DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
		CHANGE SOURCE IMAGE	NS CHANGE Source Image	CHANGE E IMAGE		CHANGE E IMAGE	CHANGE E IMAGE	CHANGE E IMAGE	NS CHANGE Source Image	CHANGE E IMAGE		NS CHANGE Source Image	NS CHANGE Source Image	NS CHANGE DATA SOURCE TMAGE DATA
		NAME SOURC	DFS001NS SOURC	DGROOISK CHANGE Source Image	OHROOINS CHANGE SOURCE IMAGE	DHBAH]NS CHANGE Source I Mage	DHBCM3NS CHANGE Source Image	DHBRHPNS CHANGE SOURCE IMAGE	DIABBINS Sourc	DTHADÎNS CHANGE SOURCE IMAGE	DIMODINS CHANGE SOUPCE IMAGE	DMADD1NS Sourc	DMROO1NS Sourc	DMRAM INS Sourc
		MODIILE NAME	<u>r</u>	122 0	10 FG1	124 P	125 DI	126	n 751	0 A51	129 0	130 PI	131 06	132 DI

<u>,2</u>		LN-TR PC	0 4 %	1. 20. 37j36.	n. 74. 153442.	7972	0. 17. 7286.	707	0. 92. 143696.	0. 23755.	0. 22. 16774.	0. 17. 5624.	•	10. 2560.
PAGE		 	4:	2.5	30.	 	* * # m	d o	# E	13.	35.	'n'n	: <u>.</u>	•.∻
		AD-TR	égé	68. 1.	118.	000	380		183.	680	36.	0 8 c	37.	200
	14.	40-UR	ø c	50	35.	5.0	÷.	••	 	23.0	0.0	œ. e		พี เ
	133 TO	0-TR	• c	o < 4	53.	. .	98-	0,00	34.	004	• • • •		00.0	: : :
	MODULES 1	D-UR AV-TR	.51	6.49	121.	. # #	, e		161.	56.	38.	4 4	* #	
	MOD	H-TR AV-UR	0 m 0	17. 34.	27. 50.	31.	27.	1.00	480	33.0	 	5.	°	
		A-UB	ຕໍ່ເ	٠.٠	<i>•</i> • •	;	ល្ ក្	**		26	m 0	; •	; o	w o
		NB-TP		o no	· • •	000	• • • •	0 % 0	• • •	9,0	·;.	•::•	020	0,0
∢ (NA-UP LE-18	iċ	ë -	, c	÷ 'n	. .	w e	<u>.</u>	٠ <u>٠</u>	 		 	-0
PAW DATA		27-47.	0 - 0	-5.	13.0	98.	9 V	÷;;	100	e g 0	960	٠ <u>٠</u> ٠	980	000
• •	,	A-UR	m 4	13.	35.	; ;	;;	#÷	35.	; <u>;</u>	6. 12.	សុំ	• • •	n, n
		000 PS	ė č.	, £	13.	o o vi	o ki w	ċ ċ ÷	153.	949	38.	• % •	36.	90.8
		NCM GN-TB	, , , , , , , , , , , , , , , , , , ,	134.	322.	108.	87. 16.	25 13	360.	124.	85.	%. 6.	121.	
		AN TO	e de m	202.	4.55	150	127. 8.	38.	520.	190.	130.	900	165.	000
		DATA	DATA	DATA	041A 0414	NATA	DATA	DATA DATA	DATA	DATA DATA	NATA NATA	DATA	DATA DATA	DATA
		CHANGE DATA		NS CHANGE Source Inage	DWSNOIPC CHANGE Source Image	NS CHANGE Source Thage	DPAGOINS CHANGE Source Image	DPBCM1NS CHANGE Source 1mage	MC CHANGE SOURCE THAGE	HC CHANGE Source Thage	NS CHANGE Source Image	DSB001SB CHANGE Source Imane	DSCDDINS CHANGE SOURCE IMAGE	DSECOINS CHANGE Source Image
		MODULF NAMF SOU	DWRMP2NS CHANGE SOUPCE THAGE	DAMAA11NS Sou	04500540	DNBA01NS SOU	OPANO 1NS Sou	DPACM1NS SOU	DAMBOIMC SOU	OPS001MC SOU	DSAGOTAS SOU	DSR001SB SOU	DSCOOJNS	DSEAA1NS Sou
		мориг	ĒLI	134	1 15	136	121	BE!	60	140	<u> </u>	145	143	1.

۴.	PE PC	3628.	0. 7.	2094.	0 16.	4838	29. 6572.	3. 178859.	113. 397357.	39.	1. 12. 3666.	0. 18:	0 60 40 60 60
PAGE 1	LN=U8	3.6	ź.	~	.0. .e.	.03 9.		 	25.	20. 7.	ď r	5.5	÷
	100 001	28°	.00	113	21.0	5.00	cno	177.	197:	62°	32.	900	:::
156	A0-UR 00W	÷.	÷ •	=;	12.	20	ř.	***	4 6 6	9,0	ěċ	; °	÷ 0
45 10	XTT	12.		000	ວທີ່ທ້	ວ່ທີ່ເ	0 W W	900	686	ຣວກ	04-	· · ·	ċc
HODULES 1	AV-UR	34.	۶۰ ۰		78. 88.	* &	* S	217	194:	, eg	e .	3.	- 2
NOOM	ME HE	່ທູ້	100	600	049	049	0.0 0.0 0.0 0.0 0.0	102.	10.0	94.0	95%	 	
	8-11R GE-18	; ċ	∾° €	∾€	ň ċ	e c	ñ.	13.	50	ř.	• •	ř.c	60
	NP-TR 05-UB	:::	÷;;	ċ€ċ	• <u>~ .</u> .	0,00	96.0		126.	÷;;			on c
	NB-118	<i>÷:</i>	5.	; :	2.2	::			, ř.	<u>.</u> .	řė	• •	ň ô
PAN DATA	CC R-TP t	÷:-		• = =	÷;:	٠ <u>٠</u> ٠	٠٢.	120.		¢ • • •	•:•		or e
4.1	8 8 F		∾.	%.°	.:		13,	14. 62.	RD 	* 22 25 25 26	₩.•0	÷ m	พู่ค
	0 4 5 2	* e . v	÷	ëë:	0 1. v.		0,00	3. 31.	197	9%+	-6.0	ç 0, sı	90.0
	NCH GN-TR	3.	33.	36.	*¢	940	88 0	340.	346.	142. 1.	95	73.	, 4 , 4
	1C NC 6N-UR	116. 36.	070	000	67.	67.	95.0	3. 520. 17.	540.	200.	- : : :	944	o v. 4
	DATA	OATA DATA	CATA DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
	CHANGE SOURCE THAGE	DSTOOLNS CHANGE SOUPEF IMAGE	NS CHANGE GATA Source Image Data	NS CHANGE	NS CHANGE SOUPCF IMAGE	NS CHANGE SOURCE IMAGE	DSIHSANS CHANGE Source Thage	CS CHANGE SOURCE IMAGE	DSWOOTNS CHANGE SOURCE IMAGE	CHANGE IRCE IMAGE	NS CHANGE SOURCE 1MAGE	DICROINS CHANGE INAGE	NS CHANGE DATA Source Thage Data
	MODULF NAME SOU	DSTAOINS SOL	DSIAMSNS SOL	nsifains sou	DSTF53NS SOL	DSTHAPNS SOL	DSTHSANS	DSL001CS SQU	DSHOOJNS SOL	DSTOOJPP. SOU	NSY001NS SOU	DICABINS SOL	DTCCIPNS
	MODUL	245	146	141	148	0	150	151	5	153	184	ē.	156

							_	HAW DATA	_								PAGE	4
							-					KON	MODULES	157 TO				
100	MODIILF NAMF Solifi	CHANGE TMAGE	DATA DATA	SN-UR	NCH GN=TR	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	# - x	PTP N	NA-11H LE-TH	NB-16	R-UP GF-TP	A + + + + + + + + + + + + + + + + + + +	D=UR	1 T T T T T T T T T T T T T T T T T T T	A0-UR 00K	UT 40.TR 808	87 - N 1	2 × 3
141	OTCCHI	NS CHANGE Source Twarf	DATA DATA	c ii.v.	£	éré	~:	646	ė.	ó n c	~:	éió		che	٠,٠	÷	: .:	C 1 C
149	015001	HE CHANGE SOURCE IMAGE	041A 041A	,	64 64 64 64 64	000	~~	200	įė	• ; •	Éċ	35.	÷ :	5.01	33.	0 7 -	 	511
÷.	DUADDINS CHANGE Source Image	CHANGE OF 14AGE	DATA	8 8 8 1 1 8 8 1	289.	109.	33.	-9:	ć.	¢	;;	63.		• • • • •	<u>.</u> 0	960	# 4 # 4	8 41,4 1156,96
7	DURDDINS CHANGE DATA Source Image data	CHANGE CE TWANF	0.4.T.A.O.	-80		, ë,	ěr	÷.	<u>:</u> -	oğ.	÷:	27:	98.	e é n	<u></u>	30.	٠٤٠	18 18 8106
161	DUCGOINS CHANGE Source Imane	CHANGE CF IMAGE	DATA	223	161.	-25-	÷	000	ĕ.¢	• • •	ėċ	004	66.	97.	ž ė	15.5	7.6	30000
4.	DUDADINS CHANGE SOUNCE THANE	CHANGE CE THANE	DATA	-2:	158.	-5.	ě	oż.	no no	• 🥫	000	39.0	64.		į.	-4-	ž. 0	25 N
Ē	208.00	NS CHANGE SOURCE IMAGE	DATA	0 E	*** ***	enc	~ę	ėįń	ę.		ĕ	190	48	: <u>;</u> ;	<u>,</u>	0 %-	7.2	69.40
- 4	DVCOOR	PP CHANGE Source Image	DATA DATA	202.	135.		2.0	-9-	ë	c fo	• •	38.		62.	25.0	- \$0	ĕĸ	32176
	popol	NS CHANGE DATA Sounce thage data	DATA	150	120.	er.	;;		*:	٠٠٠.	; ;	84°	, e		<u>.</u> .	°	::·	5947
747	DVIDDINS CHANGE Source Image	CHANGE CE IMAGE	DATA	-250-	158.	4.	r.ĕ	ÖĘÑ	š	÷;-	<i>::</i>	000	• 6	° 0	% 0		.40	445.80
	DWDODINS CHANGE SOURCE TMAGE	CHANGE CE THAGE	DATA	 	78. 78.	•==	**	000		• <u>‡</u> •	*6	97.5	, se	000	•	910	٠ <u>٠</u> ٠	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
148	0xx-01	SH CHANGE SOURCE IMAGE	DATA	000	37.		N. 6	040	e e	or o	-:0	:-: :	.0	000	÷:	:::	·4im	53

٠ د		PE LPITR PC &	2. 80. 235909.	1. 49. A9769.	1. 42. 182232.	12. 4656.	1. 9. 3884.	21.	2. 5. 1221.	1. 9. 1806.	2. 66. 83758.	. 1 . 46 . 60 5 7 6 .	0. 14. 20975.	2. 95. 146479.
PAGE		LN-UP	 	22,	œ°œ		4 6	g g I part. ug part		'n.	29.	ig æ	6 6	39.
		0011 0011	171: 5.	105.	127.	23.0	24: 0:		v e o	1.00	107.	36. 0.	0 4 0	137. 0.
	180	AO-UR DOW	33. 0.	8,0	33.	9.0	 °	28.	• •		30.	9.0	21.	33.
	169 TO	жн 0-тр 116	21.	15.	15.	16.0	¢ • • •	• • • •	•••	ç w ~	92.5	e č.	2.5	30.
	MODULES 1	0-UR AV-TR	161.	98.	÷86	24.	28. 28.	÷::	34.	. 6.	3.	97.	49	4. 155.
	QOM:	KE B-TR	51.	33.	17.		200	30.	12.5	13.	30.	24. 56.	27.	1. 46. 73.
		8-UR GE-TR	. S.	<i>;:</i>	ů,	. .	រស់ សុំ	9 6		m 0	.:.	<i>.</i> .	 •	10.
		UC NR-TR GE-UR	96.	57.	95.	101	2:-	000		÷ , ,	. 26.	٥٢.	. 68 0 . 0	
		NB-UR LE-TR	9.		<u>.</u> .	ď.	ý ô	 	;;	ů.	÷.	17. 0.	12. 0.	
RAW DATA		CC R-TR 1	161.	9.: 1:	154.	96.	• <u>•</u> •	103.	• • • •	- • • • • • •	88. 0.	689	000	0. 113.
•	•	8-UR	13.	11.	11.	; ;	۳. ñ	6 1	;;	;;	14.	. 85 88.	7.	24.
		2 P D S R D - R D	171.	105.	127.	23.5	- 2.	.77.	-e.		107.	1. 86. 16.	10.0	2. 137. 14.
		NCM GN-1R	352. 28.	304.	142.	* •	, ¢	85. 16.	ຕູ້ຮ	50.	187.	150.	1.:	24.
		TC NC GH-UR	2. 530. 17.	415.	1. 275. 16.	40°	90.6	165. 12.	, 00 v	.07 .6.	300.	745.	120.	370. 14.
		DATA	PATA DATA	DATA	DATA	DATA	DATA	PATA	DATA DATA	DATA DATA	DATA	DATA DATA	ÔATA DATA	DATA DATA
		CHANGE Source Image	CHANGE RCE IMAGE	CS CHANGE SOURCE IMAGE		SB CHANGE SOURCE TMAGE	SOURCE IMAGE	SB CHANGE Source Image	SB CHANGE SOURCE IMAGE		SP CHANGE SOURCE IMAGE		SB CHANGE Source Image	FCUGOISB CHANGE DATA Source image data
		MODULF NAME Souf	DZX001CS CHANGE SOURCE IMAGE	027001CS SOU	FCAGOISB CHANGE SOURCE IMAGE	FCB001SB SOUF	FCC001SB SOU	FCDa01SB SOU	FC600158 50U	FCP001SB CHANGE SQURCE IMAGE	FCROO1SR SOUP	FCS001SB CHANGE Source Image	FCT0015B SOUR	FCU001SB SOU
		ไกดูงา	169	170	171	571	173	174	211	176	171	178	1,79	180

PAGF IN	UT LN-UP LN-TR OU WN PC	6. 35. 11. 24. 0. 4. 17120.	73. 19. 46. 0. 9. 47431.	63. 17. 39. 0. 8. 27646.	1. 2. 53. 53. 53. 14. 74031.	1. 2. 55. 55. 2. 11. 80632.	37. 9, 15. 0. 3. 10437.	1. 3. 49. 14. 22612.	1. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	1. 1. 5. 9. 9. 9. 0. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	95. 74. 53. 53. 9. 107423.	0. 0. 0. 33. 33. 0. 9. 18674.	73. 23, 57750.
192	UT AO-UP AO-TR DOV DOU	e e	7 .0	17. 6	30. B	26. 10	3.	26.	12.	17. 2	38.	20.	26. 7
181 10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9,10	. .	.01.	16.	17:	÷+;	13.		5.	.02 *••	100.	. 9.
	<u> </u>	36.	.8.	72.	3.	3.	, o	51:	3. 19.	19:	91.	. 00 . 00	* 3
HODINES	KE B-TR AV-UR	96.	0. 26.	35.	22.	25. 54.	24.	386	*** 8	**************************************	2. 17.	18. 25.	20.
	H=1JR GE=TR	ů.	7.	7.	. .	٠.٠	; ċ	5.	; ;	e 0	<i>;:</i>	* °	10.
	UC NB-1P GE-UP	٠٥	, y	. 58. 58.	50.	6890	÷ 600	38.	:::	120	88°.	000	37.
4 !	NB-1JR LE-1R	13. 0.	 	ë	19.	16.	* •	17:		10.	74. 1.	£ 0	ξ.
PAW DAT	R-TP	င်္က င	.09 0.0	6 6 m	44.0	o % o	31.	ហូឃុំដ	35.	. .	95.	35.	50.
a 1	A-UR		9.	10.	14. 33.	35.	16.	13.	; ;		13. 28.	10.	2
	00 PS	°	, e. e.	င်လိုက်	. a. c.	105.	37.	50°.	20.	~ ć.v	1. 95. 15.	¢ & 4	ς <u>π</u>
	NCM GN-TR	57.	119.	122.	197.	169.	53.	90.	61.	51.	180. 8.	124.	153.
	TC NC 6N±UR	. 4.0	193.	185.	290. 7.	280. 14.	0 10 0 10 0 10	145. 7.	80 • • • •	±2,5	3. 280.	0. 175.	230.
	MODULF NAWE CHANGE DATA Source Image Data	FCUHLISH CHANGE DATA SOURCF THAGE DATA	FCUMSISB CHANGE DATA Source Image Data	FCUPSISE CHANGE DATA Source Hage Data	FORAGIPP CHANGE DATA Source image data	FDSOOJPR CHANGE DATA Source image data	FDT001PR CHANGE DATA Source, Image data	FPANNICS CHANGE DATA SOURCE IMAGE DATA	FPC001CS CHANGE DATA SOURCE IMAGE DATA	FPD001CS CHANGE DATA Source image nata	FPL001CS CHANGE DATA SOURCE IMAGE DATA	FPHOOICS CHANGE DATA Source image data	FPN001CS CHANGE DATA SOURCE IMAGE DATA
	ПССМ	181	182	183	184	185	186	187	188	189	190	191	192

1,1		PE LN=TR PC	1. 5.	2. 9. 1284.	1. 27. 37597.	0. 11. 12207.	1. 27. 24382.	1. 12. 5031.	0. 58105.	0. 8. 1093.	5. 13. 36887.	57. 49210.	4. 28. 52999.	. e t
PAGE		LN-IIR NN	.4	۲۱ س	 5.	; . *.c	4.	, e v	.r.		α. e.	13,	13.	ю. -
		A0-18 DOU	-::0	13.		98.0	-80	20.	67. 2.	• • • •	62.	 	76.0	o v. e
	204	AO-UR DOW	0 c	0.0	24°	20.0	80.0	91.0	32.	• •	25.	31.	36.	**
	193 TO	NAT-O	c m c	040	c € 4	9.	5.5	04.		98.7		ဝင်း ပုံ		
	MODULES 1	D-UR AV-TR	ຕິພູ	3. 18.	3.	36.	* ;	23.	76.	3,	5°5°	65°	48	**
	HOD	KE B-TR AV-UR	0 0 0	0 4 15	100	, , , , , , , , , , , , , , , , , , ,	33.	9 0 6	0 ¼ 4 • 6 %		36.	. 6. 6. 6. 6.	16. 0	0 m 4
		8-119 GE-TR	N.C	, o	7.	40	.0	; :		40	ທ໌ທໍ	9.	F. E.	~ &
		NA-TR GE-UR	on o	***°	c m o	21°.	ວທີ່ເ	• :: -	0,00	960	0,4		0 Q. W	•••
٠ .	,	NB-UR LE-TR	m o	*:	7.0	0.	.0.	ë	÷;	.	16.	÷ •	15.	••
PANI DATA		R-TR LE-UR	•••	000	0,0	31.	omo	.71	96.4	•:•		71:		•••
		R-UR	ค่ณ	តុំសំ	13.	7. 15.	::	ກູ ຈ ູ	27.	6 6	14. 25.	100	23.	÷:
		DC PS	-::	13:	70:	30.	101	50.00	67. 15.	o vi	62. 15.	70°.	76. 12.	- w -
		NCH GN-TR	36.	9.0	121.	59.	108.	6 6	143.		65.	133.	94. 16.	
		TC NC GN~UR		ณ์ อู้ [.] ณ์	195. 17.	១ ស្គឺ ហ	160.	75. 3.	215. 2.	9,00	130. 130.	210.	175. 9.	တို့လို
		DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA DATA	DATA DATA	DATA	ĎATA DATA
-		CHANGE SOURCE IMAGE	CHANGE ICE THAGE	CHANGE ICE IMAGE	CHANGE CE IMAGE	CHANGE ICE IMAGE	CHANGE CE THAGE	MC CHANGE Source Image	CHANGE ICE THAGE	CHANGE CE IMAGE	P7 CHANGE SOURCF IMAGE	CHANGE CE IHAGE	PZ CHANGE SOURCE IMAGE	P7 CHANGE DATA Source Image Data
		NAME SOUR	FPP001CS CHANGE Source TMAGE	FPROOTHC CHANGE SOURCE IMAGE	FPSONICS CHANGE SOURCE IMAGE	FPT001CS CHANGE DATA SOURCE IMAGE DATA	FPU001CS CHANGE SOURCE IMAGE	FPV001MC Sour	FPXD01MC CHANGE SOURCE TMAGE	FPZ001CS CHANGE SOURCE IMAGE	FRAGO1P7 Squr	FRC001PZ CHANGE SOURCE THAGE	FRD001PZ Squr	FRPOOTP7 SOUR
		MODULE NAME	193 F	194	195 6	196 F	107 F	198 F	199	200	7 105	202 F	203 F	204 6

s		PE Lita PC	1. 29. 29909.	2. 14. 26732.	5. 303[81.	117. 246157.	1. 19. 5122.	2. 82. 2057294	1. 12. 10833.	1. 14. 5419.	1. 6.	1. 29. 30469.	12127.	97.
PAGF 1"		LN-110		ב ר	34.	4 c	.5.	30 30 30 30 30 30 30 30 30 30 30 30 30 3	۲. <u>۹</u>	o* n*	41.		r.c.	210
		01 0011 0011	, 63.	٥٠٠	169.	182.	25.	139. 3.	39.	- **	~ <u>.</u>	- ***	31.	169.
	912	A0-UP DOW	ς c	, °	υ. ο	 	13.	0,0	17.	16.	œ .	22°	20.	, a
	205 10	ATT.	c 0, 4		. 19. 19.	60. 18.	ວໍທີ່ຕໍ່	° 7° 8	င်္ လို ကိ	••• <u>•</u>	0 0 0	• • •	• v =	9,00
	MODULES 2	D-UR AV-TR	3. 67.	4 €	4. 163.	214.	32.	135.	36.	28.	::	3. 68.	33.	162.
	TGCH	KE B-TP AV-UR	17.	 	41. 68.	30° 80°	20.00	69°	9.00	 	046	18.	25.	4.4. 68.
		8-UP GE-TP	٠,٠	νc	 	12.	e e		ທີ່ທ້	; ;		7.	; ;	12.
		UC NB-TR GE-UR	÷	32.0	102.		13.0 0.0	 0.:	2.4°.	***	e m o	37.	%:°°°	
4 I		NA-1JR LE-TR	٠ <u>٠</u>	٠. و .	ę •	26. 12.	& m	ζ. •	• ¢		÷ 6	5.	12°	. 22.
RAW DATA		CC R-TB LE-UR	58.0		159.	120.	99,4	149.	• • • •	22.5	010	58. 0.	300	160.0
		A LI	000	7.	14.	14. 80.	• 6	12. 36.	 8.	۴. 8	ซ [ื] ่ง	• 6	: :	12. 39.
		DC PS N-UP	1. 63.	25.6	169.	182. 30.	50.00	139.	39.		 	44.		169.
		NCM GN-TR	102.	76. 12.	375. 26.	387.	89. 0	233. 13.	87. 11.	50.	38.	119.	63. 8.	346.
		SN-UR	370. 15.	130°.	500°	576.	:;;	375. 11.	130.	800.	55°	190° 16°	100.	520.
		nata nata	DATA DATA	DATA	DATA	DATA	DATA DATA	OATA	S-DATA DATA	DATA P	E DATA	DATA	DATA	DATA
		CHANGE SOURCE IMAGE	PZ CHANGE. Source Tmage	P7 CHANGE Source TMAGE	CHANGE CE THAGE	TR CHANGE Source Image	TR CHANGE Source Image	CHANGE ICF THAGE	MC CHANGE DATA Source Thags Data	MC CHANGE Source Image	MC CHANGE Source Image	HC CHANGE Source Image	CHANGE ICE IMAGE	MC CHANGE Source IMAGE
		NAME Sour	FRSOO1PZ SOUR	FRT001P7 Sour	FPUOG1PZ CHANGE Source thage	FUTOALTR SOUR	FUTTO1TR Sour	FVADOJHC CHANGE DATA Source image data	FVCn01MC Sour	FVD00jMC SOUR	FVP001MC Sour	FVS001MC Sour	FVT001MC CHANGE Source Image	FVU001MC SOUR
		MODULE NAME	205	206 F	7116	208	209 F	210 F	2113 F	212	213 F	214	<u>د</u> ۳	7 216

3/

	PE LN-TR	9.	4843.	1. 1.35.	0. 9. 4580.	1. 9. 2765.	3.	1.	0. 3. 1940.	3. 59. 146580.	59. 1107111.	65°.	1. 55.
PAGE 19	N-118	* * *	ສໍ ດໍ	÷.	ć é	÷.	e4	ις. ν .	e: -	30. 11.	24.	27.	24.
	UT A0-TR D0U	65.0	0 %		000	21.0	.:.	or.e		133. 1.	•::	0.00	
55 55 55	AO-UP DOW	23. 0.	16.	0.0	16. 0.	13.	••		13.	36.	3%	30.	31.
217 10	A TE	÷ %	ວທ.~	- 20 6		;;:	٠,٠٥	e m -	-00	£.6	20.	, e	-:5
MODULES	3 5	e 85	25.	12.	3.	3.	.01	 	4.	3. 131.	3.	3.	3.
1004	KE B-TR AV.UR		26.	12.	0. 17.	1. 8.		12.	, e e	3. 69.	26.	5,46	24.
	R-UR GE-TR		ທ່ວ	% 6	e e	и. o	 	m c	# 6	10.	÷ ~	::	ë. 7
	UC NA-TP GE-UR	21.0	33.	:	13.	• • •		Q W. C	÷ • • •		65.	• ‡ -	56.
<i>a</i> ;	NB-UR LE-TR	17.	æ 0	÷ ÷	÷ 6	ທີ່ຕໍ່	;;	r, c	. .	ů, e	20.	6.0	ě, c
RAW DATA	CC R-TR 1 LE-UP 1	* ° ° °	600		18.0	• ñ. ç	~**	• • • •	÷ 6.0	12; 3,		000	- 8
αι	8-UR	 	٠,٠		ທີ່ຕ້	~*	;;	ທີ່ທີ	• •	13. 53.	13.	25.	13.
	26 80-8 80-8	13.1	÷ * * * *	و م	င်ငွင်	.;;	3.	13.	15:	133. 30.	3.	93.	104.
	NCH GN-TR	61. 5.	4 6.	34.			** **	38.	32.	186. 15.	241.	156.	196.
	SN-UR	45.		ง้นั้ง	* ° ° °	30°.		35°	50.	325.	355 8.	, y y	30%
	DATA DATA	DATA	ÓATA DATA	DATA	DATA	DATA	DATA DATA	DATA DATA	DATA	DATA	DATA	DATA	DATA
	CHANGE Source thage	TR CHANGE Source Image	TR CHANGE SOURCE IMAGE	TP CHANGE SOURCE IMAGE	TR CHANGE SOURCE IMAGE	TP CHANGE Source Thage	CHANGE RCE IMAGE	TR CHANGE Source Image	CHANGE RCE IMAGE	CHANGE RCE IMAGE	TR CHANGE Source Thage	SR CHANGE Source Image	CHANGE ACE IMAGE
	MODULF NAMF SOUI	HARBOITR Sou	HFF001TR SOUI	HF TOOT TR SOU	HFROOTTR SOUI	HF 0001 TP 50U	HLGDOITP CHANGE SOURCE IMAGE	HMC001TR SOUI	HODODITR CHANGE Source image	'HÔTOOISB CHANGE Source Image	HSCAO1TR Sout	HSRAO1SR SOUI	HUGOOISP CHANGE SOLACE IMAGE
	ICO CH	715	815	\$12	٠ د	223	4	200	\$ 25	200	526	755	e c c

ć	PE LN=TR PC	3. 57. 64097.	3. 36. 35307.	2. 36. 42611.	0. 18. 18394.	1. 26. 130180.	39931.	2. 27. 45315.	3. 42. 44346.	.69. 59.	10. 10. 2834.	67. 196070•	0. 9. 2220.
PAGF ;	a 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	33.	20.	14. 10.	<u>,;</u>	13.	. r.	5.	30,	28. 11.	ָׁבֶּׁה <u>,</u>	30.	914
	01 A0-TR 00ti	~;÷	~;;~	59.5	\$5°.	~ * *°	- 66	****	2001	168. 3.	• • • •	143.	0 80
240	MOO OOM	30.		6.0	9,0	800	8,0	, - - -	30.	37.	40	37.	12.
229 10	87. 0-18 11F	٠٢.	· · ·	٠.٠ ٠.٠	04%	: * :		9.1.9	94.0	6.50	อีก์	18.	o no
MODULES 2	D-UP AV-TP	100.	, ç	 	:. .	71.	÷66	4.99	42.	17.	79.	155.	. 61
₩0₽	KF B-TR AV-UR	20.	16. 34.	4.6.	13.	0. 11. 38.	000	16. 29.	73. 34.	23. 81.	0 m M	049	15.
	8-UP GF-TP	æ =	80	z c	٠. و ٠.	.0	÷6	7.0	æ <u>-</u>	& e	6 0	-:0	. e
	NB-TP GF-UP	ė į ė	980	e # c	o v.c	4.0	- 4° 0	300	33.	128.	:::	• 500	600
a 1	418-118 LE-TP	ă. 4	7:-	9.6	<u></u>	. .	17.	 		74.	ø e	7.	¢ 0
PAN DATA	CC R-18 LE-UB	65. 33.	ç	င်္တ္နက် ကို	36.	119.		58.	ผู้ค	168. 15.	•:•	132. 7.	13.
	R-UR N-TR	* &	~: <u>*</u>	13.	:.°	13.	11.	12.		77.	46		*;
	DC PS BS	3.5.	, o, c	4 0, e.	9 % 1.	48.	, ç, ç,		66.	168.	0 1 6	140 0 40 0 40	. E. 6
	NCM GN-TR	170.	, 6 9	174.	101.	135. 12.	123.	152	152. 8.	290.	50.	243.	* m
	TC NC 6N-UR	26A.	202.	74. 12.	143.	25.0 8.00	149.	, v. c.	23.93.	466. 15.	6.4.	390. 11.	o č u
	DATA DATA	na TA pa Ta	DATA	DATA DATA	DATA DATA	DATA DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
	CHANGE Source Thage	MC CHANGE Source Image	HC CHANGE SOURCE THAGE	HC CHANGE Soupef Thage	MC CMANGE Source Image	HC CHANGE Source Tmage	MC CHANGE Soupee Thage	KCUDDIMC CMANGF DATA SOURCE IMAGE DATA	KDROOIMC CHANGE SOURCE IMAGE	HC CHANGE Soupce tmage	KDGVC1MC CHANGE Source thage	KDLBD]MC CHANGE Source Image	MC CHANGE DATA SOURCE IMAGE DATA
	NAMF SOU	KAPOOJHC	NUDDP2MC SOU	кавтрэмс Sour	KAPLP4MC Sour	KAPSP1HC SOUI	KCDOOTMC SOU	CU0014C	OROOJMC SOU	FDC701MC SOU	OCVC1MC SOU	SOUR SOUR	KIR101MC Sout
	MODULE NAME	* *	¥ 05.	* 150	χ αες	233 K	* 450	235 X	* Arc	A TEG	23A K	239 X	7. 0.45

						-	RAW DATA	<								PAGE	7
						•					HODI	HODULES 2	241 TO	252			
MODI	MODULF NAME CHANGE SOURCF IMAGE	ANGE DATA Mage data	GN-100	NCH GN-TR	N S S S S S S S S S S S S S S S S S S S	N-10R	R-TR A	N8-UP LE-TP	NB UC SE-UB	R-UR GE-TR	AV-UR	D-UR AV-TR	# # F F F F F F F F F F F F F F F F F F	40-UR 00W	AO-TR DOU	CN-CR	LN-TR
2	KLSNOJMC CHANGE SOURCE IMAGE	ANGE DATA Mage data	195°	139.	51.	.61	o., c	16.	33.	• •	200	55°	0¢.	. 0 . 0	51:	13.	0. 27. 35935.
245	KOROOIMC CHANGE SOURCE IMAGE	ANGE ĤATA Mage nata	o ç n	, 0 , 0	16.	÷.	15.	. .	• • • •	*°°	9 6 6	3. 15.	000	 	090	41.	2457
243	KPOOOTMC CHANGE Source Image	ANGE DATA Mage data	2 0 0 0 0	179.	60. 7.	25. 22.	52. 0.	4.e	0 % 0	٠:	0. 11. 25.		9 0 0	25.	000	16.	39
244	KPP001MC CHANGE Source TMAGF	ANGF SATA MAGF DATA	, 000	99°		::	:::	÷:-	÷ • • •		10:		000	. .	•:0	.4	11.88
\$. 8.	KPROOIHC CHANGE Source I Kage	ANGE JATA Hage data	130. 6.	88.	38.	э. .	26.	:.°	02.0	••	86.0	e 10	• <u>• •</u>	20.	98.0		3 25 12200
245	KPUONIMC CHANGE SOURCE IMAGE	ANGE DATA Mage data	290.	203. 32.		18.	. 00 . 0	<u>:</u> 6	000	ν, •	22° 34°	•• •96•	6	23. 0.	0,00	21°,	0 4.6 60008
247	KPC001MC CHANGE SOURCE IMAGE	ANGE DATA Mage data	-000	36.	17. B.	. ë	÷8.	::e	o m o	::	12.	3.	-60	15.	.7.	-4:	0 6 6 8 8
24B	KSDODJMC CHANGE SOURCE, TWAGE	ANGE DATA Mage Data	250.	183.		12. 25.	52.	.0	98.0	00.0	22° 46°	e 4	• š.	9.0	73.	10.	48 40725
240	KSL NOTMC CHANGE Source TMAGE	ANGF DATA Mage nata	cçe	₩. .	15.	40.	.:.	;;	000	 	13.	3.	0 m c	0.0	16.	ห้ณ้	1645
2.50	KSPOOIMC CHANGE SOURCE IMAGE	ANGE DATA Mage Data	180.	119.	56.	10.	-6	 	0 Å ¢	* °	0. 18.		••••	6.0	56.0	, r,	23590
251	KSRONIMC CHANGE SOURCE IMAGE	ANGE NATA Mage data	4.85.	295. 31.	185.	14:	176. 7.	€. €	134. 6.	111.	3. 82.	193.	63.0	43.	185. 3.	3.4	77 325926
55	KSUNDIMC CHANGE SOURCE THAGE	ANGE DATA	5.00	က္လိုက်	င် ဇွင်းဂ	3,00	17.0		ຕຸ ໜູ້ ຕຸ	40	940	36.	0 0 0	16.	28.0	7	85.20 15.20

•	LN_10	0. 33. 37441.	0. 11. 2303.	1. 20977.	133.	17: 7611.	1. 17. 2637.	3814.	0. 16. 19814.	133.	3160.	4. 54. 149815.	133.
PAGE 22	LN-11B		٠,٠	ď.∢	; :	∂ . 4	č. *		3.	41.	۳	 	41.
	UT A0=YR D0U	64.	0 %	0,0	ວ່າວ	0,00	500	• % •	39.	င် ၈ဝ	0 % 0	140.	0 W 0
564	40-UR	".	12.	1,0	ທີ່ ຕໍ່	.0.	12.	13.	26.	ŵ.º	:0	27.	n o
53 10	4 T T E	-5.	• <u>:</u> :	~ ¢ ñ	 	9 + e		- 000	2::-	4e0	62.0	36.	-60
MODULES 2	D-(19 AV-TR	3.	\$ 9	, e	4.	27.	23.	23.	; ;		. 26.	153.	. r
MODI	H-TR AV-UR	17: 37:	19.	1. 27.	0-6		3. 5.	18.	25.	0.09	18.	20. 20. 56.	÷
	R-UR 6F-TB	v. č	4°C	; ;	-:	÷ ~	40	.:	ທ່ວ	.:	~°ċ	œ æ	-:
	UC NR-TP GE-UP	cr.c	or c		÷-:		• • •	13.	63.0	:-:	• 2.0	044	÷:•
4 1	NR-(IR LE-TR	13.	; :	<u>.</u> .	-÷	÷ ċ	ທີ່ຕໍ	e 0	Ë-	-6		35.	: :
HAW DATA	R-TB N	c gr	;; <u>.</u>	• • • •	•-·¢	٥٠.٥	÷ ; ; ;	9,00	3	6	9.00	121. 0.	:
Δ.	R-UR N-TR	10. 25.	ñ, 4	9. 18.		* w	6.	÷ °	8. 15.		96	11. 65.	- %
	PS PS	7.4°.	• ; .	44.6		٠,٠	.00	- 22 &	96.4	c 10 64	o v. e	140.	ć r, v
	NCM GN-TR	146.	58. 10.	130.	21. 0.	\$8. 0.	<u>.</u>	71.	68.	25.	58. 3.	326.	25. 0
	10 NC NC HU-UB	1. 225.	e k k		000	0 % 0	เก็ต เก็ต	100.	110.	36.	, v. v.	470.	35.
	nata nata	DATA NATA	DATA	DATA DATA	DATA	DATA	DATA	DATA	DATA OATA	DATA	DATA	DATA	DATA
	CHANGE SOURCE IMAGE	PP CHANGE Source Image	CHANGE 1 1 MA GE	PR CHANGE Source Image	PR CHANGE SOURCE THAGE	RW CHANGE Source Image	CHANGE: THAGE	PB: CHANGE Source Thage	CHANGE: THAGE	PP CHANGE Source Image	PR CHANGE Source I Mage	PR CHANGE Source Image	PR CHANGE SOURCE 1MAGE
	NAMF SOURCE	MAGOOTPP SOUPCE	MADDOTAK CHANGE SOURCE 1MAGE	PPSOUNCE SOUNCE	MCABOIPR Source	MCCODIAN Source	HCDOOLBW CHAUGE. Source thage	MCHOO1PB:	HCIOOIRW CHANGE SOURCE IMAGE	MCM001PP . Source	MCNN01PR Source	HCOOO1PR Source	MCS001PR Source
	MODULF NAME	AM FRG	294 HA	ያዳዲ ሥቦ	586 MG	257 MC	25.8 HC	D M	240 40	78.	262 MC	243 FG	264 MG

		PE LN-TR PC	3.	3. 26. 32022.	0. 28. 26084.	0. 26. 19686.	10.	1. 35. 70595.	1. 8.	.0. 11. 32296.	308.	12.	0. 137147.	
۲													_	
PAGF		N E E	÷:	13.	14,	13. 6.	~ .	16.		œi 🗝		ė'n	27.	<u></u>
		UT A0-TR 00U	000	51.0	0 60	٠٠,-	•=•		• • • •	550	0+0	000	139.	٠ <u>٠</u> ٠
	276	AO-UR DOW	νç	28	ئ ئ •	6.0		98.	12.	72. 0.	÷ 6	17.	33.	*0
	265 TO	0-18 11E	0,00	ณ ื ซื้ ซื้	o e v	6.4	÷:		96.	- we	e % e		21:	 .
	MODULES 2	D-UR AV-TR	. 6	53,	93.	m o	. 5	91:	3.	59.	%. ~	• •	123.	;;
	MODI	R-1R AV-UR	999	₩ 0 .*	29.	89°	:::	1. 19. 36.	1. 6.	96.	6,6	:::	32° 40°	-6.6
		B-UP GE-TP		• •	٠. و .	; ċ	; ;	æ.	; ;	ก๋ o๋	 6	; ċ	10. 6.	٠.٥
		NR-TP GE-UR	:::	33.0	96.0	• • • •	- m -	c & 4	946	0 4 0	cmo	•::•	66. 3.	- 6.0
< 1		NB-11P LE-TP	-:	• • •	÷:	 *:	e e	 	ı, c	 	e o	<i>::</i>		13.
RAW DATA	E ? # #	R-TB LE-UB	00	0 8 0	35.	33.	• ; •		-7.0	.5.0	.;.	95.	1000	င်စ္ကင်
	•	N-UR		78.	8. *•	38.	คืค	36.	ν. ♦	33.4	ก็ณ้	**	12. 36.	e *:
		20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	94.	5. 51.	12.	e v e	620	.7.	9.5.	39. 150.		200	119. 10.	37.
		NCH GN-18	200	123.	103.	93.	• ñ	118.	04	58. 13.	27°.	;;	761.	71.
		TC NC GN-UR	ဝင္နံက	180°.	155.	904	္ မ်ာ္ လူ လူ	200.	-64	120.	e	0 0 m	3 A S.	115.
		DATA DATA	DATA RATA	DATA	DATA DATA	DATA	DATA	DATA DATA	DATA	DATA	DATA	DATA DATA	DATA DATA	DATA DATA
		7 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	¥ 6 € 10 €	NGF AGE	NGE AGE	NGE 4 GE	NGE AGE		N 35.	NGE AGF	NGE AGE	NGE AGE		7 € 19 € 19 €
		CHANGE SOURCE IMAGE	¥ 1	PP CHANGE Source Image	CHA	PR CHANGE Source Tmage	PR CHANGE Source Thage	RW CHANGE Soupce 1 Mage	RW CHANGE Source Image	BW CHANGE Source Image	BW CHANGE Source Image	AW CHANGE Source Image	CHA.	AN CHANGE SOURCE IMAGE
		URCE	URCE	URCE	URCE	URCE	- SACE	NACE	FECE	URCE	URCE	IIRCE	URCE	URCE
		HF SO	A K C	01PF S0	018. S0	9 80 80	SC	9. 08.	o Br	0184 Si	O18N SO	D SE	a) RY SO	Ne CO
		MODULF NAME	MDCOOJAK CHANGE Source Image	40E001PP SOL	MDWGOJRW CHANGE Source Image	HFN001PR SOL	MHCOO1PR SOI	WHDOODBW SOS	MHHOOJRE Soi	MH10018W Sol	HHOOOIBN SOU	инеоо 1 ям 501	MHS001AW CHANGE SOURCE IMAGE	MHTOOTHW Sou
		JOOK	. 545	766	267	845	592	270	. 175	1 575	1 575	1 112	1 275	1 475
		Ĭ	~	χ	~	ñ	~	N	Ń.	Ň	₹	ñ	Ñ	ĸ

							PAW DATA	 1								P & G F	ž
3											MODIJLES		217 TO	288			
ž	Ē Ç	MODILLE NAME CHINGE DATA SOURCE TWEST DATA	7.0 NC 6N=UR	NCW GN-TR	PS PS N-UP	A-UR	CC H-10 L	NA-UA LE-12	11C NA-TP GF-UP	8-119 6F-70	# X - 1 A A V - UK	0-UP	4 4 TT	#00 DOW	UT An-TR DOU	4 - 1 A	P. LN. TR
r.	717	MHUDOIRW CHANGE DATA Souper Image data	ວ້ນູ້ແ້	۾ م	c 0 4	÷.	0.00	η e	ວິທີ ຄ	å é	000	તં	÷	<i>.</i>	000	۴,	e e
۸ :			- 6 6 6	, a,	132.	8. 13.	0 % 6		620	; ;	0.00				့ ဝန္ကင	÷ ;	703.
		MHWONIAW CHANGF NATA Souppe thage data	220. 14.	126.	. Ho.	33,	٠.٠	<u>;</u> ;	on c	10.	25. 46.	4 0		30.	600		0 4
⊼.		PIAGOINN CHANGE DATA Soupee thanf data	275.	217.	48. 48.	12.	÷:•	::	30.	; :	-46	• 6				: ;;	2 4 6
<u>.</u>		MINDOIPH CHANGE DATA Source Image Data	520. 17.	357,	158.	11.	113.		- 6 -		01.0	3.		. 9	159.	i in	1991
ž	C 8 C	MTRORIPA CHANGE BATA Source image data	765.	180.	-8.5	23.	• • • •	11.	٠٠٠	. 0	- 1.06	คืน		: ;	. 00	5. 5.	138033.
rac		MLRODITR CHANGE DATA Source Image data	763°.	296. 5.	70.	32,	5.5°		0,00			์ ก็ตั้		. 0°.	ė	r 9	53188. 4.
784		MLRLG2TP CHANGE DATA SOURCE IMAGE DATA	°	.:	เก๋น	. .	<u>อ์</u> คู่ 6	;;	600		000		: :::	; ;	: 68	o	44673. 0.
ν. *		MLRSWITH CHANGE DATA Source thanf data	39.	3.	ວໍ່ທີ່ຕໍ່	ດໍຄໍ	•.•	÷.	66		. c.n.	,	: ::		င် င်	<i>;</i> ;	937.
¥ .		MMCDD1AK CHANGE DATA Source image data	, ,	122. 5.	وٽ ن	.6.	33.		ဗ်ဝိုင်	;	• • • • • • • • • • • • • • • • • • •	: ;;				- E	133
F# 5		CHANGE JRCE THAGE	7. 325. 23.	140. 128.	178. 12.	. 6.	₩	::3	 	. .	50.0			: ::			. 54.76
3		MMRDDJAK CHANGE DATA Source thage data	1,00 1.00	*	13.	4.0	000	• •	• • •	 						ស់!÷	0. 8. 1789.

								PAW DATA	<								PAGE	ž
								 				QC#	MODULES 2	289 TO	300			
T CO	MNDULF NAWF CHANGE DATA Source Thang Data	HANGE THAGE	DATA	TC NC GN=UR	NCM SN-18	2 00 × 2	2 - S	R-TR	NB-UR LE-TR	UC NR-TR GE-UF 6	H-UP GFTP	B-TR AV-UR	0-UP AV-7P	0-TR	AO - CR	AO-TR DOU		LA-TP
28.0	HPCOOLPR CHANGE SOURCE IMAGE	HANGE 1 MAGE	DATA DATA	3. 150.	111. 5.	36. 17.	7.	٠ <u>٠</u> ٠	• •			# ÷ =	ຕໍ່ ຜູ້	0 m 4		့ မှုင်		E CALL
230	PPH01CS CHANGE Source Image	HANGE IMAGE	DATA	205.	124.	. 6. C	13.	4 % O	<u>.</u> .	51.6	÷.¢	16.	₹ 6	e. ∷ .	6.0	78.	ž. 4	28, 28, 60,863,
707	MPPANIPR CHANGE Source Image	HANGE THAGE	DATA		101.	37.		96.0	<u>:</u> •	23.0		.s.	34.		7.0	37.	œi e	1 14 12291
292	MSAAA11P4 CHANGE Source Image	THANGE THAGE	DATA	-63	70.	36.	.5.	37.0	5.0	9,00	w e	0 8 °	33.	- w -	20.	36.0	œ๋ ณ๋	12 11645
293	MSDOOLPP CHANGE Soupce, Thage	HANGE 1HAGE	DATA	စ်စ္တစ်	21. 0.	ວໍທໍດ	- ณ	÷	:	0-6	-0	6-6		• • •	ະ ວ	ဝက္ကင	4100	33.00
9	MSMOOIPP CHANGE Souper Image	HANGE THAGE	DATA DATA	-ç.	ñ. 4	٠	, a	- 60	œ ċ	<u></u>	คือ	 	19.	-+0	÷°	180	ſ¢i⊷ • •	2537
200	MSTONIPR CHANGE Source Image	HANGE 1 MAGE	BATA	98.0	140.	5° 6°	% 020°	o in d	<u>.</u>	950	ທີ່ຕໍ	1. 9.	3.	0 V. r.	٠ و د و د	50.	, . , .	2. 45. 25935.
28	MUKDOJPR CHANGE Source image	HANGE THAGE	DATA	นู้ ซึ่ง	 3.	~ <u>:</u> :•	4.6	0 & C	¢ ċ	0.0	~ •	56.1	12.	cnc		• <u>:</u> •	**	96
797	MWSOOTRW CHANGE Source TWAGE	HANGE THAGE	DATA	٠	25.	ċ.;	rù 4		e e	÷ • • •	, c	600	n æ	666		000	e e ene	359 a.
298	SDSOOJPW CHANGE SOURCE THAOF	HANGE THAGE	DATA	180.	114.		2.5	50%	<u>:</u> ~	94°	÷.	33.	67:	9,00	ν, °	60.	7.	33. 35.
6	SEXAATBW CHANGE SOUNCE IMAGE	HANGE	DATA	190.	133. 15.		100	040	<u>:</u> •	96.0	~ ~	1. 14. 34.	• €	-:::	 0		ř.	1. 36. 27094.
300	SEXADTRW CHANGE DATA SCURCE IMAGE DATA	HANGE IMAGE	DATA DATA	÷.	<u>:</u> -	•••	* *	::6	<u>.</u>			0,00		:::	; c	040	en e	C 80

. , .		LN-TA	c r ç	1. 32. 13472.	36.	3. 13. 14268.	2. 14. 5493.	0. 24. 11289.	1. j6. 15357.	3. 18. 15266.	36.02.	5. 31. 80030.	. 55 133	0. 35. 24594.
PAGE		2 2 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	÷.	į.	÷:	÷.e	¢ +	۶.,	.01 .0.	": 3•	3.	 *:	.4	4.4
		AO-TP DOU	o m c	å.,	onc	940	32.0	35.	36.0	300	50.4	94.	• • • •	อ์ ผู้ ผู้
	312	AO-UR DOM		 	. o	%°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°	 	60.0	00.0	% 0	• •	30.	ນ ດ	, o
	301 TO	3 T T T	c-c	6 ¥ W	: .	ด้งเ	W FT	°			:6:	25.5	• n o	5.2
	HODULES 3	D-UP AV-TR	. r		%	. č	3.	e 4	* * *	÷	**			4 6
	HODI	KE 9-TR AV-UR	2,70	1. 8. 35.	0 000	.	% % ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	12.	1.8.	**** ****		39.	66	3.80
		4-UP	i.e	<i>::</i>		ંતં	••	-0	w.c	60	. e e		~ °	ຕໍ່
444		NA-16 6F-UP		÷	÷:•	2,0	• <u>;</u> •	• • • •	÷ ; •	0 % 0	• ; •	0 K. C	6.0	000
		NB-11P LE-TR	ċċ	 	ċċ	<u>:</u> -	÷ ċ	9.	 	13.	¢ Å	š.		ដ ទ
		P-TO N	•••	e ć o	•••	32.	င်္ဂ		36.	36.	0 % 0.	* ;•	: :::	o m e
		1 1 N	÷:		0.1.	÷:	٥,٠	.		. 5	10.	30.		19.
		90 PS	ċ;:	3A:	÷	₩ 4°	win.	င် ကို လ	39.	39.	- 5.0	9.4.	0 % %	52.
		NCM GR-TB	 1.	6 	16. 1.	68. 6.	67.	98	81.	85. 10.	52.	110.	22.	140.
		10 NC 6N-UP	, 05-	116.	190	105.	₩Å.	 	125.	130.	-ç.	300.	å å å	, 00° 90°
		0.01.0 0.01.0	047A 047A	NATA NATA	DATA DATA	0.0 AT A C	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA DATA
		CHATIGE Source Thage	SOUPEF THAGE	CHANGE 3CF THAGE	SALINCE THANK	PH CHANGE Soupef Thage	HW CHANGE SOUPCE TWAGE	RW. CHANGE SmiRCF THAGE	HC CHANGE Source Thage	CHANGE PCE IMAGE	MG CHANGE Source Image	PR CHANGE Source Image	PP CHANGE Source thage	PP CHANGE DATA SOUPCE IMAGE DATA
		MODIILE NAWE SOIF	SF xDR394	SEXOFIRM CHANGE SOURCE THAGE	SOUP SOUP	SOUP SOUP	STADD1HW SOUF	STYGOJBW.	TAFOOJHC SOUR	TAMONING CHANGE SOUPCE IMAGE	THF NO 1 MG SOUP	TRUGOLPH SOUR	TCANOIPP Sour	TCLOA1PA SOUF
		ำไแบบพ	TOE .	COL	r ur	, 40£		406	307	308	600	310	i.	416

		0f Lh. 10 00	64.	e de	3195.	15. 15.	0. 10. 6579.	5. 79063.	16911.	22.18.	E C.R.
DAGF 2"		013 2	; :	4.0	41-	 	2.2		·=.	<u>~</u> .	شداله شداله
		40-TR DOU	ė.	ë rë	÷;;;	e 0 e	· % -	113:	e vi e	og o	:::
	6	AO-CA DOM	, c	ŕċ	::	20.	 	50	ē.	ς, ο	
	325 10	4 T T T T T T T T T T T T T T T T T T T	ė nė	c n c	-66	-::-	-6.0	~ <u>¢</u> 'n	~ <u>*</u> ;-	-:-	cnc
	MODINES 3	0-118 AV-TR	m.			. £	•	116.	÷;	51.	÷:
	Ē S	# # # # # # # # # # # # # # # # # # #	÷	e	646	-82	i k j	74:	-:;	W & W	÷
		8-UF	- c	-:	iċ	ų, ų,	₹.6	iż	;;	;;	
		NA-118	:-:	ć-:	220	÷ .	eře	ėģ#	٠٠٠	oñ e	ėrė
< ;		48-118 LE-TB	-e	- <i>ċ</i>	įį	<u>.</u>	ėė	ę e	ėć	<u>;</u> -	ı, ç
DAW DATA		2 a a a a a a a a a a a a a a a a a a a	ċ-:	ċċ	eže	-46	c ę c	-30	±,,,	- ; -	÷;0
۷,		32	÷ć	÷.	÷.	×.	η, e	e é - n	96	2.5	;;
		5 2 2 2 2 2 2 2	ė,	ë i i	:-	-:::	-25		.4.0	 	٠ <u>٠</u> ٠
		20 TE	200	2.5	<i>i</i> •	ž,	51.	36.	100.	7.	÷."
		5 7 7 8	ėģė	600	-64	4.4.	-64	46.0	***) 30°	e g k
		9.8 FA 0.8 FA	474	7 A T A A A A A A A A A A A A A A A A A	2212 2212	67 40 41 4	DATA NATA	NATA DATA	0 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	DATA DATA	DATA DATA
		5544 5544 5544 5544 5544 5544 5544 554	. להעמענ ביהעמענ	TANET TANET	1040	SAAA!	CHANGE THAGE	74447 74447	CHANOF 1442F	CHANGE	SHANDE
		VARIE,F MAPF CHARF PATA	14DABITE CHANGE GALIOTE THANK	TSTANTON CHANGE NATA	TELANIPH CHANNE DATA	TGMODJUG CMANNE DATA Solioge Imane Data	TTGANIPG CHANGE HATA SAUGE HATA	TTHOUSE CHANGE DATA	TTPONIPP CHANDE DATA	THEGREACH CHANGE DATA	THEORIPE CHANGE DATA
		Tacy.		4	f c t	î N	200	370	Ē	c r	Ę

41

APPENDIX D DESCRIPTIVE STATISTICS FOR THE DATA

		BASIC STAT	ISTICS FOR THE	RAW DATA	
	NUI	HBER OF DATA ITEMS	= 8 NUM	ER OF MODULES	= 333
NUM	CHANGE DATA	SUM	MEAN	VAR	STD DEV
ĩ	TOTAL NUMBER OF CHANGES	462.	i.387	4.365	7,089
2	NUMBER OF DESIGN CHANGES	316.	.949	2.290	1.513
3	NUMBER OF CODE CHANGES	<u>143.</u>	.429	1.071	1.035
4	NUM OF UNKNOWN CHANGE AREAS	3.	.009	.009	.095
5	NUMBER OF KNOWN ERRORS	217.	.652	1.824	1.351
6_	NUM OF KNOWN MODIFICATIONS	120.	.360	.599	.774_
7	NUMBER OF UNKNOWN TYPE ERRORS	ī25 .	.375	.651	.807
8	NUMBER OF POSSIBLE ERRORS	342.	1.027	3.014	1,736

		BASIC STA	TISTICS FOR	THE RAW DATA	
		NUMBER OF DATA ITEMS	= 30	NUMBER OF HODULE	S = 333
NUM	SOURCE IMAGE DATA	SUM	HEAN	VAR	STO DEV
î	NUMBER OF CARDS	53614.	161.003	20548.569	143,348
2	NUMBER OF COMMENTS	35114.	105,447	8957.332	94,643
3	NUMBER OF PROCESSED CARDS	16915.	50,796	2338.615	48.359
4	REGISTERS-UNIQUE REFERENCES	Ż435.	7,312	14.764	3.842
5	REGISTERS-TOTAL REFERENCES	14227.	42.724	1818.514	42.644
6	NONBRANCH OPCODES-UNIQUE REFS	3749.	11.258	49,674	7.048
7	NONBRANCH OPCODES-TOTAL REFS	9740.	29,249	836.344	28.920
8	BRANCHING OPCODES-UNIQUE REFS	1697.	5.096	7.774	2,788
	BRANCHING OPCODES-TOTAL REFS	3772,	11,327	135.046	11,621
16	DIRECTIVE OPCODES-UNIQUE REFS	1009.	3,030	.903	.950
-11	DIRECTIVE OPCODES-TOTAL REFS	3403.	10,219	152,087	12.332
12	ALL OPCODES-UNIQUE REFERENCES	6455.	19,384	101.846	10.092
13	ALL OPCODES-TOTAL REFERENCES	16915.	50.796	2338,615	48.359
14	LOCAL NAMES-UNTQUE REFERENCES	4443,	13,342	133,154	11.539
15	LOCAL NAMES-TOTAL REFERENCES	8934.	26,829	899.058	29.984

BASIC STATISTICS FOR THE RAW DATA

•	NUM	BER OF DATA ITEMS	= 30	NUMBER OF MODUL	ES = 333
NUM	SOURCE IMAGE DATA	SUM	MEAN	VAR	570. an
16	GLORAL NAMES-UNIQUE REFERENCES	1905.	5.721		STD DEV
17	GLOBAL NAMES TOTAL REFERENCES	2932.		23.021	4.798
18	NUMBERS-UNIQUE REFERENCES		8.805	109.880	10.482
19		2894	8.691 <u></u>	37,431	6.118
	NUMBERS-TOTAL REFERENCES	5474.	16.438	248.566	15.766
20	LOCAL EXPRESSIONS-UNIQUE REFS	220	.661	2.472	
51	LOCAL EXPRESSIONS-TOTAL REFS	277.	.832		1.572
55	GLOBAL EXPRESSIONS-UNIQUE REFS	145.		5,839	2.416
ź3	GLORAL EXPRESSIONS-TOTAL REFS		.435	•951	.975
24	ALL VARIABLES-UNIQUE REFS	212.	.637	2.557	1.599
25		9607.	28.850	420.092	20.496
	ALL VARIABLES-TOTAL REFS	17829.	53.541	2632.623	51.309
56	NUMBER OF IF-THEN-ELSES	1324.	3.976	28,969	
. 27	NUMBER OF DOWNILES	26.	-		5.382
28	NUMBER OF DOUNTILS		.078	.114	.338
29	MCCABE NUMBER	134.	•402	•663 .	.814
30		1816.	5.453	33.755	5.810
	PROGRAM CLARITY	14006315.	42061.006 705	2248898.586	87077 440

APPENDIX E

CORRELATION COEFFICIENTS BETWEEN DATA ITEMS AND MEASURES OF CHANGE

CORRELATION COEFFICIENTS OF THE RAW DATA

NUMMER OF DATA ITEMS # 8

		POSSIBLE ERRORS	• 934648	.898272	•568503	.053513	.892925	•279730	•657226
NUMBER OF MODULES # 333			Attende .	**************************************		* 0000000000000000000000000000000000000		1 - DV: DY +	3.5.C. + 7.4.C. 3.5.C. 4.7.C. 5.0.C. 5.0.C. 4.7.C. 5.0.C.
NUMMER OF DATA ITEMS . A	TOTAL CHANGES	1.000000	288268*	. 725259	.028001	.853940	.602828	.581848	. 934648
ÑN.	CHANGE DATA	TOTAL NUMBER OF CHANGES	NIIMBED OF OFSIGN CHANGES	NIPPER OF CODF CHANGES	NUM OF UNKNOWN CHANGE AREAS	NUMPER OF KNOWN FRRORS	NUM OF KNOWN MODIFICATIONS	NUMPER OF UNKNOWN TYPE ERRORS	MUMEED OF POSSIALE EPRORS
	MIN	-	۸	۴	∢.	ď	¢	٠	α

		CORRELATION COEFFICIENTS OF THE RAW DATA	OEFFICIENTS OF THE RAW DATA	
		NUMBER OF DATA ITEMS = 30	NUMBER OF MODILES = 333	
MILI	SOUNCE INARF DATA	TOTAL CLASS	777	
-	MUMBER OF CARDS	CANANGES	KNOWN FRRORS	POSSIBLE ERRI
٨	MIMMER OF COMMENTS	Figure.	.506414	.55752
۳	MIWAFA OF PROCESSED CARDS		.486786	.54172
4	PEGISTERS-UNT UF REFERENCES	LD 1770 •	•510392	121645
ď	WFGISTFHS-INTAL REFERENCES	140644.	•421520	******
4	MOURPANCH OPCORFS-UNIQUE REFS	70 C F F F	. 468847	.498015
~	MONAHANCY OPCORFS-TOTAL REFS	2001C14	.419255	.437085
ı	4PANCHING OPCODES-UNIQUE REFS	2000	.485520	• 509235
c	RPANCHING OPCOPFS-TOTAL REFS	000000	.388057	60665**
<u>e</u>	OTHFCTIVE OPCODES-UNIQUE REFS	87705FF	. 489175	*24819*
Ξ	NIPECTIVE OPCONES-TOTAL PEFS		. 226475	.238708
<u>^</u>	ALL OPCODES-UNIOUF REFERENCES		*401240	1442571
۲.	ALL OPCODES-TOTAL HEFERENCES		+623334	+454789
*	LOCAL NAWFS-UNIQUE HEFERENCFS		-510392	.549127
<u>u</u>	LPCAL MAYFS-TOTAL REFEWENCES	600805	.510757	*577164

DRHELATION COEFFICIENTS OF THE RAW DATA

NUMBER OF MODULES # 333

NUMBER OF DATA ITEMS # 30

:	Alve size 1 304100	TOTAL CHANGES	KNOWN ERRORS	POSSIBLE ERROPS
~	GLODAL MANS S-JINTUNE REFERENCES	.337157	.216418	.296319
7	GLOFER MANES-TOTAL HEFFRENCES	*389404	. 246447	. 280653
ž	SASWAMARA BUST-WU-PHARMIN	.542689	. 502356	129215*
10	NUMPERS-TOTAL REFFRENCES	. 483432	.463105	.481315
۲	LOGAL FYOUESSTONS-UNTOUE REFS	+223548	105401	.252751
7	I DEAL FXPMESSIONS-TOTAL PFFS	,356614	.344343	*8682**
2	GLORAL EXPRESSIONS-UNIQUE REFS	.319023	.280114	\$56862*
۲	GLOBAL EXPORSSIONS-TOTAL BEFS	.284782	.245634	.247641
2	ALL VAHIAGLES-HANDOUE REFS	.564372	.516258	*58093 *
č	ALL VARTARLFS-TOTAL MEFS	.550758	.520011	.569367
ž,	MARR OF JE-THEN-ELSES	436654	.470381	.513860
~	AUMPER OF DOWNILES	153170	.185026	*196464
æ	NUMPFR OF DOURTILS	.150679	.136079	.169141
ŏ	MCCANE NIMHER	.433407	.463935	100005
ç	PECCAPA CLABITY E	020004	.50503	.521087

APPENDIX F

RESULTS FOR THE TWO PARAMETER LINEAR FIT

/ 1

. T th employed to the feel well-need
: -CCASE NUMBER
TO I TOTAL AFFICED INSTRUCTIONS
-:-T : But the extressions-Tulat references : the chressoft about the references
-:-UP: GLUBAL MAMÉS-UMINDE PÉFÉRENCES LE-TH: LOCAL EXPRESSIONS-TOTAL RÉFÉRENCES : LOCAL EXPERSSIONS-UNIQUE RÉFÉRENCES
1 : _ 1.42
N-UR: : :::::::::::::::::::::::::::::::::

CUNSTANTS FOR EQUATION USED TO CALCULATE PREDICTED VALUES FOR TWO-PARAMETER FIT

1vos-ceneral			· richte ei	- AMM
PC	•0	-0	.8856E-05	.4978E-05
CONSTANT	.2067E+00	-2171E+00	.7696E+00	.5325E+00
Processor	建工作的	KANA		
VARIABLE	RUN 1	RUN 2	RUN 3	RUN 4
P5	.14216-01	-1086E-01	.0	•0
COMPANY				interol —
TARROGANISMY	DEPENDENT VANIA		LE EARONS	
en lance	สปก 1	PUN 2	RI'" 3	RUN A
	1913F-01-01-01-01-01-01-01-01-01-01-01-01-01-		7023E-01	
PC			.6568E-05	14344E-05
25	.1747E-01	•104nE+01	•0	•0
				5573E=01
CCUSTANT	.27376-01	-2019E-01	.3679E+00	+2131E+00

HULTIPLE MEGRESSION ANALYSIS: THU PARAMETER FIT

TOTAL CHANGES RUN 1

			٠.		ا عدما	154 11	ленам (uf Phé	v1C1E0	TOTAL	CHAN(3E5	vs.	ACTUAL	TOTAL	CHANG	ES	
			1	خ	3	. •	۰	ACTUAL S	16/1=L	CHAI-(-I	+ S •	10	11	12	13	14	15	TUT
	, 900		1,	1	~	45000	·)		()	0	0	Ü	0	Ū	0	U	G	71
خ	_				_			_	_			_			_	_	_	
	1	4-	, .		11	.5	3	"	2	t,	O	0	0	Э	0	0	0	142
_	-	.~	: -	: :	9	٥	4	ح	ž	2	f)	ű	0	ð	0	U	ij	76
			>	7	,	1	3		a	o	í,	۵	o	9	0	Ú	Ú	23
Ŧ																		
•		•	•	*		ì	f)	1	6	e	ŋ	1	0	9	ŋ	0	0	13
_	•			•	y	1	Ü	**	tı	G	0	1	Đ	Ú	1	Ü	0	ş
•			•		٠.		1	•:	1	υ	o	0	0	0	0	0	1	s
•	_												_		_			
	,		•		1	•	-1	•;	ι,	Ø	£•	Ü	O	Э	0	O	Ų	n
•	-		4	٠.	•	:	*2	•	t,	1	9	U	0	J	0	ป	0	1
Ç.					,		U	v	6	a	G	U	0	o	٥	O	0	0
-			-			-	_			-	•	•	_	_	-	-		•
. 1		٠.			•	••	U	ţ:	(·	r	U	Û	0	0	U	0	U	O
- :	1		· ·	*	;	11	c	43		0	Ü	ť	Q	U	O	U	O	0
٠,	,	_	;•		ı,	. n	0	ø	ti .	ij	0	(•	c	U	a	0	0	0
					.,	. "	-	•	.,	.,	-	•	-	-		-	_	
:	•		٠,	• 1	12	ts	o	11	(r	C	U	U	υ	U	ũ	0	0	O
•	•	140	17	- 7	2.1	12	10	2	>	3	U	<	0	ð	1	0	i	333
6001	c				600633		****			*****								
							JECTIC	N & ACCE			-IA:							
					rtus	CT IF	FFEU	ILIFU TU	TAL CH	A∿じとS	> (0 R =	Nº ACC	EPT IF	< N			
				•:		1	2	3	•	,	5	0		7	ê	4	1	0
-			ئ ۲ز	_	2	_	172	250	242	30	,	31c	32	1 2	26	329	3.	29
		- Çê • Î •		-6	15.		1.7	75.1	A4.7	71.		44.5	96.			90.0	98,	
			e Chie		1:	,		20	ų		_	3		1	,	U		0
-		-CE T4			47.		7.4 7.4	3.0	7.7	1.	5 5	٠,			.3	•0		. 5
٠.	٠.				1			20	20	-	-3	1.4	1	,	6	4		
•		· ;: ;:	(L <u>e</u> • Ta	r.CI	=,		41 <-3	ىد 11.7	30 4.0	٠. ج		14 4.2	3.		•6	1.2	1.	
												4.						
:	_		': J- 37 } 	•	;"		57	24 125	16		3	. U		U N	. O	0		0

PULTIPLE REGRESSION ANALYSIS: THO PARAMETER FIT

KNOWN FRICAS RUN

-	-		لاخب .	A.I.I.12E:	J_SCAI	LEL DI	46544_	UE. PRE	.vICTEI	_TQT	AL .CHAN	IGES	VS.	ACTUA	L TOTAL	_ CHAN	GES	
					3	<u></u>	ځ	ALTUAL				. 10	الـ	_12_	13	1	15	_ TUT
c	n	37	11	1	n	U	0	0	0	0	0	0	0	0	n	0	9	60
-:	}	74,	,,	74	11	3	4	0	5	0	0 -	0	<u> </u>	0	o ·	0 -	_ 0	150
	. -	. 20	_1,.	-12 -	5	7	3 .	_ 3	_2	_1_	0	0	0 .	9	_0	_ 0	0	72
		3	4	7	1	. 0	3	1	0	1	0	C	0	0	0	0	o	52
	-,			1	1	1	<u>-</u> -	1	n	ō	0	1	G	0	1	ó	ő	14
	· -	L_	0	j	_ 1	1	0		<u></u> .	_0		1	_ 0	9 .	0	0 .	_ 0	<u></u> 4
	-	,	a	9	9	n	0	n	0	n	0	0	a	Ü	7	0	9	n
-:-			ŗ	<u>.</u>	ŋ	1)	0	a	0	0	0	0	0	Ō	0	~ ·	- Ū	_ 0
-	1	0		1	o		9	0	<u> </u>	_9			0	O	. 4	0	1.	. 1.
	3	٠,	Ą	ņ	9	ø	ŋ	n	e	1	Ţ	0	o	9	0	0	0	1
-£_	i	7	ţ1	J	ŋ.		9	0	6	0	-	ō	0	ů	ą ´	•	ō	a
	1.1			2_	3	°		0	<u> </u>	<u> </u>	v	0	0	.e_	2	0		o .
•	10	••	ij	•	0	9	•	0	e	0	9	¢	0	0	0	0	0	n
	;		1	1)	7		0	ρ	0	ō	0	- - - - -	0	ņ	<u>-</u>	0	O	0

	٠	5 1	12 _ 19	5	_ 5	6	. 2	. 0	9 L	¢	1 333
5:480C.;/,c.000460460.		isaaaa - inti				C+11E41;		ACCEPT	i if < n	###C1###	*********
de deservir en registrat	·:	1	a	. .	. *	5.	5	7	8	_ 9	. 1.0 .
e ferrett offente die Die Seitelle beit		-r 14	114	250 25.1	743 F5•#	a1*3 30*	310	321 46.4	32t 97.4	328 98.5	959 8.46
e to the extinct of the contract of the contra		**	17.7	1 H 2 • •	2.7	:].c	. ř	?	? •6	.0	• û U
f to the state of		1.	11.7	* l L• > 1	311 U.U	24 4,0	15 4.5	10 j.0	5 1.5	1.2	1-2
1					11		€ • €3	0 •13	Ç .a	1 .3	, n

WETTPEE HERPESSION ANALYSIS: THE PANAMETER FIT

POSSIBLE ERRORS RIN 1

			30± •117	to SCaT	764 <i>J</i> I	MATCE				Changes	¥5.	ACTUAL	TOTAL	CHANGE	s
	, 9 94,4 69	1	veevaée	3	•••••	5 ******	ACTUAI	L fOTAL 7	5	S 9 10	11	SI	13	14	15 †G†
; p	•	£-	. 4	¢	ē	- 0	4	n	e	0 U	9	0	0	0	C 0
- : -	12-	* 1	25	1-	>	*	ż	•	1	9 0	Ô	G	G	G	u · 253
.) :]	1=	:1	;	3	>	ż	ż	1	1	0 i	0	0	9	0	0 52
C ?	-	3	3	3	i,	1	b	v	U	C C	٥	o	o	ð	u 16
: -	ì	2	Ì	٠	7	0	1	ò	<u>o</u>	0 0	0	Ű	1	0	o a
, .	1	4.	2	(I	ŧs.	5 •	6	C	Ē	c 1	0	a	o	υ.	a 2
Т	•1	ð	J	£.	7	9	IJ	э	0	G 0	3	0	ð	0	ŭ e
	•.	#	-3	1	•	ø	(I	ť	0	3 6	0	o.	c	c	o a
- c	•	7-	ę	12	J	0	í•	۵	C	0 0	0	g	e	_	
		14	9	•	ē	ō	G	G	0	0 0	0	a	3	_	•
\ \ 1.*	•		7	-	t	ď	v	ęı	e		o o	9	0	•	•
: [];	ē	5	*1	0	ġ	9	b	0			e	-	•	_	ē 0
: 17	9	e,	G	,	v	ā	6	a	_		-	0	3	_	ű 1
1 4	•	r	ŧ	į	5	ø	9	0		•	9	U	0	0	0 0
T:-T	152	77	45	24	12	_	 5			e e	9	3	0	0	0 0
****			-			10		5		5 6	9	0	1		1 333
				-t uzl			& ACCE CTED TO	P #1.L.	CHITPLE	A:	N; ACCE			:246860	
			# :	1		2	ž	4	5	9	7		Ħ	ÿ	10
-255 -	ECT AC	CEPTA4	·Ce	ű	-	÷g	251	285	305	310	321	320		329	328
				•\$	57	-1	77.2	~~*	51.c	74.9	96.4				50. 5
: " J	+17 ±±. 2~5€147	JeSiin Lbe	i.	ioi ****		•1 •3	11 3.3	7 2-1	.4	š 4.			2	o •0	ē
i .c	=61 :	=CCs+T	ANCE	4		6.3		8.5				-	=	•0	•6
-	TE T	>=		• 0		-	1	5.0 5.0	2. 7.2	15 4.5	10 3.0	1.		.2	4 1.2
s ×	2.7	•: JE L [• •:	1"	102		34 • 7	17 7•1	5 1•5	1 č•		6 •0	.0		1	1

HULTIPLE REGRESSION ANALYSIS: TWO PARAMETER FIT

TOTAL CHANGES RUN 2

-				MELCEL	SCATTA	L9 01A0	- 4th	QE., PP	EDICTED	TOTAL	CHAN	4GES	VS.	ACTUAL	ATOTA	L CHANG	ÉS	
									L TOTAL									
** ** * ***				- 2-	3		, 5. 		7	₩ • • • • • • • • • • • • • • • • • • •	* * * * *	_10	11.	12_	.13	. 14 *****	15.	_TOT _
	•	r	2	υ	4	6	0	ø	ñ	0	n	0	9	0	0	0	O	ŋ
	ī	1 :7	-1	>1	14		4	7	3	ī	0	0	0	0	õ	0	0	234
- î	٠.	17	15	13	٠	_1	4	1 .	?	_ 0	. 0	.1.	0 -	0	0	, 0.	9	68
÷.	,	4	e	ŧ	1	0	\$	ø	0	1	n	0	0	0	0	0	0	13
	•	2	3	1	-	1 -	0		0	0 -	ō	0	- ()	ij	ī	0	0	12
_	2	-1	9.	1 _	0	. 1	g _	0	0	0	_ 0	. 1	0	U	. 0 _	0	U	4
(-	٩	9	p	۴,	0	0	0	0	O	0	0	0	Ũ	0	0	0	0
!	;	(t)	f	(1)	7	0	0		U	0	" —	0 -	, ,	j	0		ň	. 0
l. -	-	_ 0		ø	~2	.g., _	0	. U	- 0	0	0	0	0	U .	0	_0	0	. 0
	,	r	ø	0	1	()	ŋ	ø	n	1	0	0	0	0	0	0	1	5
	1		·- ;	; ·			₍₎	0	0	• ₀	õ	U	0	. ,	ó	. 0	0	0
	11		fi	a	4	6	Ω	n	0	0	0	0	.0.	0	. 0	0_	0	0
•					0				0		0	0	n	a	0	0	0	0
	-			•			-				•	•	0	9 -	0		0	0
	• •	•	ŧ	4.	1				-				·	•	•	•	1)	•
ī	1	157	11-	41 -	?)	14	19	.5	÷	3 .	۰.	e	9	. 0	.1	0	1	333
•••	٠.	,t,t §		v4=18v3		. NEUI	CTI	no a ALC	CEPTANUE TUTAL CH	_CHITE	HIA:					0 4** 0**		*****
			*= -	.:	ı		2	3	4		>	•		7	B	9	1	0
		GE 1"	41 - 25 115	•	_ 0	•		256 10.4	204 8243	,30 91.	-	315	32		126 1.9	328 98•5	32 98.	
			1 1 1		1 .1			3.~	7.4		3	.0	•	? 5	۶.	.1 .3,		0 0
		· ·	t ; -	- '	• 13		• ፤	13,1	4.3 41	τ.		15	3.		5	.9	1.	2
•		. 1	, •		1,	1.		1	19			(, • U		0 0	0	1 • 3		0

MULTIPLE REGRESSION ANALYSIS: THU PARAMETER FIT

KNOWN ERRORS RUN 2

								-							
		4	VITHAU.	ED POWIT	FR DIAG	iHAM OF	PHEDIC	TED KNOW	N ERRORS	vs.	ACTUAL	KNOWN	EHHOPS		
)	1	, « ့ ့ ့ ့ ့ ့		4	AC 5 6	7	4044 M4 8	s 4 10	11	12	13	14	15	TO
, .,	1	1 -	1	3		. 0 1	1	()	0 0	0	0	*****	*****	****	***
:		۵ م	1.	*	4	2 1	_	-	•		v	0	0	Ü	17
į			•		•	5 1	n	0	0 0	G	U	0	0	0	11
•	13	•	4	3	I	1 2	0	0	0 0	0	0	0	0	0	2
;	,	**	J	ì	ty	ı v	1	0	0 0	o	v	•	•	_	
,		0)	ú	,	0 0	6		_	•	v	0	0	0	3
		v	ý			·	1)	o	0 0	0	0	0	0	0	
	•	V	J	ij	n	0 0	1	0	0 0	1.	Ú	0	0	0	
•	i.	v	IJ	U	U	0 0	0	0	0 0	0	0	o	0	0	
,	"	a	1	•	11	0 0	ø	0	0 0	•	-	-	_		•
-		u	J	.,	9				_	0	U	0	O	U	(
					,	υ (ø	O	0 0	U	0	0	0	U	
•	•	•	U	1	ti	u o	0	0	0 0	U	0	0	0	0	ſ
3		v	4	o	1)	0 0	o	U	ú g	0	0	0	-		
1:	,	13	.2	4	r,	0 0	v	0	•	-		U	0	0	0
٦٤	9	")	o				v	v	0 0	0	0	0	0	٥	0
			v	¢	^	0 0	n	0	0 0	0	0	0	0	0	0
; •	o	(i	11	0	t	o o	4)	0	0 υ	0	0	0	0	0	
.:	335	47	23	15	5	4 2	2	Ů	o c						0
***		404444		******	2000000	****				1	0	0	0	ט כ	333
					~と Jとに	TION & A	CCEPTANC	F ('-) TT	######## Ta:	*****	******	*****	*****	****1	• • •
				KEJECT	1 F	PREDICTE	U KNOWN	EKKOHS	> 0R =	NI ACCE	PT IF <	N			
			.4:	1	5	3	4	5	6	7			y		
,	.T 400:	144.C	r	144	240	302	315	324			,		9	10	
	-CF - I			44.7	78.1	40.7	45.8	77,3	328 98•5	330 99.1			32 .7	332	
, .	AT LEU	1111		71] 4	,	2	,			-	77	• (19.7	
	GCE TA			71.3	+. 6		•6	.6	0	.0			0	0.0	
(*;	61 40	365 ~ 1 ~	٠ <u>٠</u> =	30	કેલ	64	10	7						• (/	
	40 <u>5</u> 1 140	-		0	11.4	7.8	3.6	2.1	5 1.5	3 •9	.3		.3	.3	
. · -	CAT UP	UruTI		۲3	د ع	ą	v	U	Ú					-	
٠.	· En	, ;		14.5	9.3	• 6	, o	. 6	0	0	0	1	0	0	

***					MULT	IPLE .	KEGRL	SSION.A	NAL Y.S.I.S.	: †	WO PARI	ME.TER	EIT					
								Poss	IBLE ZRRO	RS	RUN 2							
												_					_	
4:		·	0114	VIT L/ED	_SCATIE	R_UIA	GRAM_		REDICTE L KNOWN			RORS	VS. A	CTUAL	KNOW	IN. ERROR	5 -	
****						_4	_5_					_10	11	12	.13	14	_15	TQT
•		165	14	****** 5	3	()	0	******* 1	0	0	0	0	0	0	Ü	0	0	177
	·		24	1 4	<u>π</u>	4		<u> </u>		- ,		·			0 -		- ő	119
	-												0	_			-	
1		-																
-		l 	_			•	-		1		0		•	-				3
£ .	•	•	1)	1)	4	0	ŋ	n	O	0	n	0	0	0	0	Ū	0	0
		u	1			_0	0	,0 ,	1	_0	Q	0	1	_9	.0	0	_0	2
	٠	ņ	v	9	0	n	o	n	0	0	0	0	0	O	0	0	0	n
	7	<u>-</u> -			n	- -,	0	o	0	0	0	- 7	0	 U	ŋ	0	0	·
		0	9	0	0	0	. 0 .	_ , 0,,	0	. 0.	0	_ 0_	0	0	. 0		0	_ 0
		 n			0				0				0	0	0	•	0	0
_£													-		υ.			
	. 1	'	ð	•)	ŋ	(i	1)	a	ņ	n	0	0	0	0	0	0	0	n
	. 11	%	0	11	0		6 -	9		0	0	0	0_,	0	0	9	9	_ 0
	1.							t					0	O	0	0	U	0
	1.	,	()	4	4	7	0	0	0	(1	0	0	U	0	O	0	ò	n
		72	•4 _	£3 .	15	. י.	. 4	Ž	2	_Q.	0	. 0.	1.	0	0 .	0	0	333
363	0.7		300000	. 400446				******		0000		00#400	0000000	*****		*****	*****	*****
•					re da CÎ	. It	1110 s suq	M_& ACC MICTEL	EPTANCE 4 NHOHN E	100H	ITEFIA:	ეი =	I TALCER	T IF	< N			
				!-	1		4	3		_	5 .	_6	7		ħ.	9_	10	
		ri c	_		14.			300	319		324	47F	330		32	332	332	
		rerl			44.4		• **	40.7	ar*H		47.3	94.5				99.7	49 . 7	_
					72 71.50		14	. *	•6 2	,	• (. n	.0		0 . U	o	n 0•	
			1 1,,		, 4		1.,	25	1,		1	5	3		1	1	1	
	• • • •	£ 6. '	21		2.01	11	• •	1.1	3.0		i • 1	1.5	• •		• 3	• 3	.3	
			.' . 1.		•		\$ • '•		() • V		(i • (. U	0 . d		0 0	• 0	0	

PARAMETER FIT

TOTAL CHANGES RUN 3

			40	(3) 171 A	SCATIC	Q DIAGH	AM OF	PAEDICT	ED KNO	NN EF	24045	vs.	ACTUAL	KNOWN	ERHORS	3	
			•				AC.	TUAL KNOW	N EHFO	∀S							
			1	2	3	4	5 6	7	6	y 	10	11	12	13	14	15	TOT
	n,	14.3	23	le	3	1 .	0 1	0	0	υ	U	0	0	0	0	0	201
5	1	c =	d's	11	11	4	e 1	n	e	o	0	0	0	0	0	0	106
-	٤	13	J	2	9	c	J U	0	0	ù	0	ø	U	0	0	0	18
C	3	1	ų	0	5	U	2 υ	1	o	0	0	0	0	0	0	0	6
Į		•	U	·)	4	0	0 0	Ú	0	U	U	0	U	U	0	0	0
٠;	5	ſ	t.	0	9	ty	0 0	0	v	0	Ú	1	υ	0	U	0	1
. 6	-	ø	ŋ	Ü	()	U	0 0	0	0	0	U	0	0	0	0	0	0
*	7	p	٧	0	a	0	0 0	0	0	()	0	0	U	0	0	Ü	n
	-	f,	"	0	n	t,	d u	1	0	0	O	0	0	0	0	0	1
÷	3	ú	Ú	U	9	٥	0 0	e	U	0	Ü	0	υ	0	0	0	0
2	1 "	n	v	3	٥	9	0 0	0	U	0	0	0	0	0	U	0	0
5	11	r	4	U	n	Ò	0 6	G	0	G	0	0	9	0	Ú	0	ņ
	17	4	U	IJ	0	0	0 0	ņ	0	0	0	0	0	0	0	0	0
	13	ų	4,	,	á	ty	0 0	o	0	U	0	U	0	0	0	U	0
	757	232	+4	دع	15	5	4 2	ż	0	0	0	1	0	0	0	0	333
144	900	90 30 <u>36</u> 06	****		o ** ooooo TJ±CT	PEJE(ACCEPTANO EU KNOWN			**************************************	***********************	PT IF	< N	*****	•••	*****;
				4:	1	i	2	3 4	•	5	6	7	•	B	9		10
	; •	CE41.	CEPTAN 40E	Œ	163 48.9	264 14.				24 •3	325 98•5	330 99•		31	332 99•7	3 44	32 •7
		-+ (**)F. H\$~CENT		y	63 18.9	٤.		7 1 •6		6	.3	• :	l 3	0.	.0 .0		0
		.po#61 .		u*,CE	38 11•4	4: 12,			, s	.1	1.2	•6	2	.3	.3		.3
	I C			I) ·	69 7 . 05) ·		1 0		.0 .0	.0	• ()	.3	0 • U		0 •0

					#\UL_T 1	PLE_REGR	ESSION .	ANALYSIS	t. JWO PA	RAMFJER	FIT .	•		
							KNO	MN ERRORS	. RUN 3					
		.		LITIZED.	.SCALIE	L.DI AGRAM	.OE	PREUICIE	D KNOAN E	RPORS	VS. A	CTUAL. FNO	IN ERHOR	ıs
								AL KNOWN						
				2 2	3	.45.		7	_89_	10_	11	1213	14	_15 107.
	ŋ		23	9	3	1 0	1	O	0 0	0	0	0 0	0	0 191
		<u> </u>		15	10	4 7	1	0	0 0	0	0	0 0	0 -	0 115
٠,	e	1.3.				00	0_		0 0	0		0 6	0	0_ 18
- 1			1	0			0		0 0	0	0	0 0	0	0 7
_1	· · · · · · · · · · · · · · · · · · ·]						1						
	•	Λ	0	•1	0	0 0	0	n	0	0	0	ō n	0	Ō n
-	- 2	4 .		9	2	<u>_00</u>	0		Q9	0	0	00	0	90
ř	-	a	C	0	a	0 0	0	0	0 0	0	1	0 0	0	0 1
- 4	 -	· · · · · ·	0	()	6	0 0	0	1	0 0	<u>-</u>		0 0		- ₀ ₁
•		•	٥			· · · · · · · · · · · · · · · · · · ·	0	0	_0:0	0	0	^		
		· - <u></u> !	W											, <u>.</u>
٠. بيــــ		(•	0) 	, , , , , , , , , , , , , , , , , , ,	0	0	0	0 0	0	n	0 0	0	0 0
7	1		9	9	9	0 0	0	0	0 0	0	0	0 0	Ü	ō n
	11			2	C	.00_	2		_0	0	_ & _	_00_	0	00
	· ·	٠)	n	17	ρ	n n	n	n	g 0	0	0	9 0	0	0 0
						<u> </u>		,	······································	. 0	. 0			0
	() !	7 '	4 *	2.1	15	5 . 4	2		0 _ 0	o	1	0 . 0.	0.	0333
٠.					1000066									
~									CHITEMIA	:		T 1F < N		
	.	~ -		. 11	i	2	3	4.	_ 5	5	7	_ 5	. 9	. 10 .
		- 1 - 43 - 1, _1,	(Tie : 1 4		11 -	6' 3 14.6	10≥ +0+1	319 94.8	324 47.3	3c4 44.5	330 44•1	332 99 . 7	332 99.7	332 99.7
		 .c. 1			1	. , 7	7 ••1	.6	.6	.6	.3	0 • 0	. 0	0 • 0
		,		. 1	11.1	1	2.6	14 2.5	7 2•1	.,	.5	.3	.3	.3
		•	; •		,	, .	,,,	9 • 13	1,	t.	.0	0	•0	n -0

- OUTTHES -SOMESSION MINEYSIS: TWO PARAMETER FIT

POSSIBLE ERRORS RUN 3

				[1/=0	SCall		ine Ge	ns 65	ënic Tén	D(:= € 1 E	LE ERPORS	vs.	4C T.(A)	מחפהו	! In	2400.	
					35411	L7 1/1:	10444					٧3.	ACTUAL	FU331	וטננ נה	INUNS	
		" • ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	1	۲	5	4	5	6	L PGSSI		062 9 10	11	12	13	14	15	TOT
	•	8	د ا اع	7	.)	3	. 0	0	()	0	0 U	0)	0	0	0	121
2	1		; 7	įj	l+	7	r	د	1	0	n v	Ú	0	0	0	0	145
•		15	10	1	ē	s	۷	U	Ç.	1	u 6	0	0	U	0	0	41
1	4		ږ	4	5	3	1	(t.	0	0 0	0	0	0	υ	0	18
:		,	t/	'n	1	1	0	į,	e	1	0 1	0	o	0	ø	ø	6
	•		j	,	,	· Ľ	, 3	U	6	_	0 6	0	ú	0	υ	0	0
2	•	r e	.,	ø	o O	,	U	0	0	-	0 0	ú	ú	0	0	0	0
9	;		.,	•	•	4	n	,	0	-	0 0	U	ū	0	0	1	2
į		,			•	**	9	.,		_		-	-	-	Ú	ů	_
٠	•		٧.	13	•		-	•	(,	-	•	0	0	0	•	•	0
٠		•	•	•	•	•	£}	Ü	ti		U U	U	0	0	0	U	0
•	1'		Ų	•	"	,	ij	(I	0		0 0	0	U	0	0	e	0
٠	! ŧ		4	••	•)	Ĺ	•}	e	(,	()	0 0	0	0	0	U	0	0
ی 2	1 /	•	i	•	r ₁	U	6	Ú	'n	O	0 0	0	U	0	Q	0	0
-	, į		•	ז	٤.	f	Ç	7		ø	u u	U	0	0	U	Ü	0
	* *	15	ir	به نخ	1 -	1-	ċ	ć	1	3	0 1	υ	J	0	0	1	333
90	400	44504646	,00000	, o 4 4 4 4 6 5	99949				CPTANCE			*****	*****	0-4	*****	*****	*****
					イエンエ	:T 16					> 08 =	Nº ACC	EPT IF	< N			
				• :	:	١.	2	3	4	5			7	8	9	1	. 0
		-rut -00		.•	55.€ 25.€		~ ~ ~ 7	273 67.0	363 91.0	320 90+1		32 • 8¢		26 •5	331 99,4	33 99.	
		C: -:\		•	1 <i>2</i> 30.		3] 7•3	12 3.6	1.5	•6			2 6	0	•0		0

6/

**	·			MULT	IPLE HEGR	ESSION A	NALYSIS	t. JWO.PA	RAMETER	EIT			-x+
		-				_ TOTAL (HANGES _	_ RUN 4					
			عاداً الداء	D. SCAIIE	R DIAGRAM	L 0F PR	EUICTED	.POSS1HLE	. EYRURS	VS. A	CTUAL FOS	SIBLE ER	RURS
						ACTUA		HLE EHPOH					
	0000191	000000		3	-4		7	_H	10	11	1213_	14	_1510T
.,	27	50	5	1	0 0	1	0	0 0	0	0	0 0	0	0 120
1	7:	10	12	13	5 Z	1	1	0 0	ō	0	0 0	0	0 143
<u>.</u>	15		_ 	3	_52.	0			0	0	00_	0	046
,	=	3	2	1	s o	0	0	0 0	1	0	0 . 0	0	0 14
	1	- (1		1	1 - 1	0	<u> </u>	1 0	0		0 0		0 9
	_ :			2	22.	0		_00_	0	0	00_	0	_ 0 0_
	a	ij	:)	a	0 0	0	0	0 0	e	0	0 0	0	0 n
ب حد	<u>-</u> -		.,	n	-a	0	0	1 0	-	- , -	o	ō	<u>1</u>
: .	a	0		9	v0.	0	. 0		0	0	_UO _	0	. 1 1
•		9			0 0		0	0 0	0	0	0 0	0	0 0
					n 7	,		0 0		- 0	0 n	0	0 0
,		-					-	_	•	•	. 0 0	•	
ئىند ئىد ا د									0		. VV		
		.) 		U I)		0	0 0					
1.	•	•	**	ţı	, (1			u o	·	ŋ	11 0	0	U A
• •	;	15	٠	. 19 .	14 5	٤	. 1	0	1	.0	JQ	0	. 1 _333
			ျ ဖစ်မှည်စု		ەەمەمەمە ا]كالئ≆			_CRITERIA				******	********
	-	• • •		44.05ET				FHHOP?		4: ACCEP	T IF < N	-	
			·:	. 1	8	3 ,	4	. 5.	5	. 7	8.	9-	10
		-	•	-1 27•1	300	273 (2.11)	201	3e0 96.1	325 47.6	327 44•2	328 44.5	331 99.4	331 99•4
		•		1. "	5.4	10	5	•	ટ	7	1	O	n
				** * *	1	1+17	1."	***	•*	• 6	•3	,•0 .	0
		-		• •] ! ~ • *	94- (4)•5	77	11 3•3	6 1•3	1.8	1.2	.6 6.	,6
	,			.,		j.,	., J.,			a •0	n • n	0	0

DETENDED HERSTED AND STATE HARMAN FILL FILL

KNOWN ERRORS RUN 4

			د ه	- 11 1Z=	- SCATI	EF OI	NGHAM :	14 1U	EDICIED	2055	1=LF	EARUFS	vs.	ACTUAL	P055	IDLE E	よそのよう	
				£	3		5	ACTUA D	L =0\$\$]	nLE f	4 4 4 4 4 4 4 5	10	11	12	13	14	15	TOT
		****	****		0000000		****	000000	6006v#e	****	*****	******	****		****	*****	*****	****
,	•	6.5	10	- سفحہ	,	1	. 0	0 -	n	n	0	U	0	0	0	U	0	65
_	ı	111	~~	17	10	7	4	5	1	te	9	U	U	ð	t)	υ	Ú	219
			7	7	1	•	0	Ų	0	1	ø	Û	0	0	0	0	0	27
<i>;</i>		•		,	2	i	U	0	•	v	6	1	0	U	U	0	0	14
•	•			1	7.	1	1	"	v	1	0	c	0	ú	U	0	U	5
	-			}		v	9	6	¢	Û	0	Û	v	0	U	0	0	n
į	*	*		ć	1	1,0	O	ij	e	0	0	U	O	0	0	0	Û	n
:	•			**	,	ý	0	0	Ċ	0	0	0	0	0	n	0	1	1
•				ņ	ì	ว	•)	U	G	0	U	e	v	v	0	0	O	0
i			k*	J	1	•	ij	J	e	7	0	0	ű	ð	U	0	0	n
ē				×*	•	i	1)		9	1	U	U	0	ð	0	Ú	0	1
	:			•	า	••	U	Ų	¢	O	0	e	0	0	O	0	0	O
. ;	!	•		٠,	t.	4.	U	Ĺ	ð	n	0	0	0	0	0	ø	0	0
3	•		•	,	4	••	n	S	(·	U	U	e	0	U	0	0	0	n
7		11	• •	٤-	1-	14	5	ė	1	3	(·	1	0	0	0	0	1	333
0454	ي در به يا		,,,,,,,		*****			4000000 t. K. ACC	EPTANCE			-	*****	*****	****	*****	*****	*****
					≁ĒJLL	T (F							# ACC	EPT IF	< 4			
				.:	1		2	3	4		5	6		7	B	9	1	0
-		() T		, -	20 15•6		232 9.7	274 P2.3	303 61.0		.1	325 97.6	38 .		28 •5	330 99•1	33 99	
				•	146		7.1 ^•7	2.7	5 1.5		.6	S.		5	.3	•0		0

1*5* 3• ₹

***********	···	· 		MULI	TBTE"	REGRE	SSION_A	NALYSIS	TH(PAR_C	METER	EIT				-
	····					P0	SSIBLE_E	RRORS	_RUN_4		••					
		(21)	M1.1 ZE:	D.SCATTE	. P DIA	GRAH	QE PR	EDICTED	POSS	TBLE.	ERRORS	.VS. A	CTUAL PO	SSIØLE EI	RRORS	
						- 3.0.22		L POSSI				, , _ •				
	. <u>n</u>					5						11	1213	14	15	_TOT
ບັ	н0	50	4	0	0	O	1	0	0	0	0	0	0 0	0	0	105
	74	47	15	15	7	3	 i	1	0	0	ō	0	0 0		- -	169
. <u></u>	14			s	_4	1_	0		_1	0 _	0	Q. <u></u>	_00	0	0 _	38
1 5 3	5	5	1	2	2	•0	ø	0	0	0	1	0	0 0	0	0	13
<u>-Ī</u> -		0		<u> </u>	ī	1	0	- ₀		0	0	0	0 0	 ;	0	6
f	<u> </u>	c		0		0	0		. 0	Q		0	_00		0 _,	0
)	0	1)	n	U	0	o	0	n	0	0	0	0 0	0	0	0
- 			1		<u> </u>		0		0	0		₀	- ō ō	ō	· o ~ ·	ō
	0	9	9		0	0	0	0	_ 1	0	0 .	.0	0 0	0	1	_ 2
1	າ)	()	n	0	0	0	0	0	0	0	0	0 0		0	
- 11	<u>-</u>		 -	<u> </u>	·		()	<u> </u>	0	;		ŋ	· · · · · · · · · · · · · · · · · · ·	0	ō	- n
	3	.0 _	9	0 .	0	0	0	_ (0	0	0	0	_00		0	0
2 1	0	()	0		c	0	0	0	0	0	0	0	υ 0		0	0
ــــــــــــــــــــــــــــــــــــــ					 -			.	-			U	• - n	· · · · · ·	- o -	n
	اهان	la	24	19 .	.1.4	ŝ	2	1	_3_	. 0 .	1	0.	0 0	Q.	1	333
130	2074460		.00004	1200000					****	••••		******	****	******		*****
***** * ·	~		_	-+ je€	L It	PECTIC Lame	MES ACC	EPJANCE Pussirle	EPP0	ERIA:	. 05 = 1	# ACCEP	PT LF < N			
 ±-			:	1		3	_ 1	4_		5		7	8	9	1	0
	etraco Sistema		•	49 5449	; •••	> > . ! <u></u>	274 4 , 54	303 41.0	3. 44	20 •1	325 47.6	327 94.2	328 94.5	331 99.4	33	
		1.		165	-	21	10	5	-	,	2	5	2	0		0
•	·_ •		-	•		· i	ا. و د	1.8		•6	• • •	•6	•6	• 0	•	
: .	(; (_ b			2.,	ı.	 •••	36 16.=	/* ***		11	1.n	1.2	, 3 , 4	.6 S	•	6
		1		1:			11	5 •'4		• 0	• () tı	. v	0 • 0	0 • 0		0 0

APPENDIX G

RESULTS FOR THE MULTIPARAMETER LINEAR FIT

3-cvI-Tibns OF PRIMARY INDEPENDENT VARIABLES
.: \\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
· : - r red o CLA-ITY
:: Uršsti Suu-Ci
73: TOTAL SHANCHING INSTRUCTIONS
INTIDAS AN SECUNDARY (AUERENDENT VARIANLES
34ANCHING OPCOURS-TOTAL REFERENCES .
-1- : Di-ECTIVE OFCODES-TOTAL REFERENCES
: DI-ECTIVE CHOUSES-UMIDUE REFERENCES
THE SEVENL CAPTESSIONS-TOTAL REFERENCES
GLOBAL CAPRESSIONS-UNIQUE REFERENCES
3.4-TH: GLOBAL NAMES-TUTAL REFERENCES
GLOSAL NAMES-UNIQUE REFERENCES
LIT OF LOCAL PARTESSE INSTRUCTE PEFFFERCES
Lamini Libre exame SSI on Smovinge References
T-: LUCAL NAMES-TUTEL -SFERENCES
LI-L-: LOCAL GAMES-UNIQUE REFERENCES
-ux: *UMGE-S-UNIQUE REFERENCES
THE TENENT OF THE PERIODS
: · · · · · · · · · · · · · · · · · ·
し : 2. 20 0m 0キャリカ
PETA : PESISTEPS-TOTAL REFERENCES
u-: NewiSTErS-UNIUUE REFERENCES

NET TO FOR ELIGITIAN ISED TO CALCULATE PREDICTED VALUES FOR MULTI-PARAMETER FIT

-	inneriofist value	4HLE: 3JH4	L CHANGES	
: ve-ENDE'T		_	100	
!!	AUT: 1	PUN 2	PUN 3	RUN 4
-	25726+00	20052-00	2645E+00	2645E+00
-	15075-94	-1510E-04	.1516E-04	-1516E-04
25	-,24595-01	2463E-01	•0	•0
•-	;;;	-3164E-02	.0	1839E-01
			1839E-01	•0
\$ = 11=	3357E-01	3424E-01	1926E-01	1926E-01
****	. ប	•0	15926-01	1592E-01
Na. 4	1317E+00 -	1304E+00	1:32E+00	1132E÷00
46-1-	92305-01	9393E-01	6676E-01	6676E-01
• • ,-	.7542400	09+36040+	.6501£+00	•6501E+00
s =t=	.5+23E-01	-5441E-01		.4114E-01
شر به ۰۰	23035-01	2495E-01	1864E-01	1864E-01
, * = * ·	.336+2+90	.32n4t+00	.2976£+00	·2976£+00
موجائي	534 0 E+00	5313E+00	5104E+00	5104E+00
=₹=	35636-0;	3607E-01	4057E-01	4057E-01
- ·	.15454-00	.1647£+60	.1729€-00	.1729E+U0
2 40 3 40	13nnE-01	1371E-0:	3435E+01	3435E-01
* **	.1033c+00	-1031E+00	-1064E+00	.1064E+00
-1	• *	• 0	.1873E-01	.1873E-01
	.50=1E=01	.5146E-01	-4144E-01	.4144E-01
-	.11045-01	•1169E-01	-1206E-01	.1206E-01
٠.	>=-01	20108-01	+.4554E-01	4959E-01
	.13555+00	-105HE+00	.1065E+00	.1065E+00
A 15-34-5	=-5/4-00	5-472+00	5567E+00	5967E+00

*

	فإمسي أدادات	-Lt: KNOWN	*#4(,45		
-	ro" I	HUN 2	PUT 3	HUN 4	
		40046-01	537£E-01	53726-01	
	.	.14515-04	.1478£-04	.1472E-0-	
	11375-01	11746-01	• G	•0	
-	.,	.3071E-01	.0	.2428E-01	
**	• U	•0	.2428E-01	•0	
	7024t-02	1390E-01	.1701E-01	-1201E-01	
-• .	• 7	.0	.325-6-02	.320+E-02	
مر جن	5+546-01	420bE-01	1251E-01	1251E-01	
45 − 7 −	40555-01	7500E-01	2998E-01	2829E-01	
. = •	.3441=+00	.+031E+0U	.3337E+00	.3337E+00	
GA-TP	.2264E-01	.2425E-01	.1392E-02	*:392E-02	
Stable	5604E-01	7488E-01	6390E-01	6390E-01	
it-T-	.3040£+90	-3459E+00	.2926E÷00	.2926£+00	
Ļ≟≁υνi	556+E+00	5244E+00	4884E+00	884E+00	
<u>L</u> h÷TH	5538E-01	5964E-01	6739E-01	+.6739E-01	
<u> </u>	.12496+00	.1270E+00	.1325E+00	.1325t+00	
V-TF	1691E-01	1745E-01	5303E-01	5303E-01	
<u> </u>	-8216E-01	.8064E-01	.8620E-01	.8620E-01	
·T4	•0	•0	.6301E-01	.6301E-01	
N6-UR	.2254E-01	-2892E-01	.1165E-01	.1165E-01	
NC	\$0-36422°	.2224E-02	-2866E-02	.2866E+02	
J-74	1329£-01	1398E-01	S105E-01	5105E-01	
R-UR	.1073E+00	.1069E+00	.10516-60	*1C#1E+0#	
CONSTANT	4855E+00	4911E+80:	-:5019E+00	5830E+00``	

CONSTANTS FOR THUSTION USED TO CALCULATE PREDICTED VALUES FOR MULTI-PARAMETER FIT

veide, tele Common	DEPENDENT YAR	IAULE: POSS	INCE ENDORS	
CEPENCEVIT				
	RUN 1	RUN 2 -	RUN 3	RUN &
	1÷1n=+v0	10996-00	1761E-00	1761E+00
	.1-975-04	•1521£-04	-1531E-04	
25	55885-01	5620E-01	.0	.1531E-04
1	.0	-5715E-01	.0	2429E-01
4-16				
-} : #		••	2429E-01	.0
7 777	.2497E-01	.1893E-01	.4222£-0;	.+222E-01
1-1	.9	•0	+271E-01	42716-01
A-04	1391E-00	1279E+08	1014E-00	1014E-00
15-19	2114E-00	22426-09	1822E-00	1822E+00
}*,-	.7323E+60	•7÷03E•00	.6778E+00	.6778E+00
	10-39294.	.4969E-01	•2913E-01	
Avety.	9155E-02	2580E-01	1596E-01	-2913E-01
£1-Ĭ-	.37-3E-00	-3378E -00	.289eE+0p	1596E-01
Fz-05	-14968E+00~	4687E+8a		•2898€•00
L"-TH	1479E-01	1656E-01	4363E+00	4353E-00
f ==	.l-vec+co	•1514£+0g	2553E-01	2553E-01
*.** * **			-1504E+0 <u>0</u>	-156-E-00
	1441E-01	14898-01	4687E-01	4607E=01
**** <u>*</u>	-0783E-01	.8650E-01	.9146E-01	•9146E-01
*****	• 3	•0	-1101E-01	-1101E-01
, ideAh	-1747E-01	·S311E=01	-7587E-02	•7587E-42
. c	.72426-02	50-30557-	.7796E-82	-77 96 E-02
	71761-03	15196-02	34846-01	3+6+E-01
2	-1103Ê+00	-10995-60	•1110E-00	•1110E•00
C1847441	7412-00	4790E+00	561eE+88	~.5616E+00

SULTIFIE HORESDION ANALYSIS: MULTI-PARAMETER FIT

TOTAL CHANGES RUN 1

				110	~~112±0	U SCALI	בא ט!	LAUKAM	Ur	rke olul	בט וטואנ	. Çmi	ないのとう	٧S.	ACTUAL	TUTAL	_ CHAN	u t 5	
			9	1	د		4	5	AC1	7	AL CHANG) E 5	10	11	14	13	14	15	тот
		(·	, n + 4 6 n n C 0	14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	# # # # # # # # # # # # # # # # # # # #	i) 6 64 64 64	v a a a a a	, eeeeee (j	ueeeeu U	0	0	Ú	U	U	U	U	0	V	73
	r K	ı	٥u	32	15	5	,	1	o	ž	0	U	U	٥	U	0	Ú	U	117
	٤.	_									=		•	_	•	-	-	0	
	ı) I	4	25	13	17	10	5	5	۷	U	1	U	U	U	Ü	0	U		75
	Ĺ	3	4	b	0	6	ક	2	3	Ú	U	0	U	U	J	Ü	U	O	26
	e D	•	ı	4	3	۷	1	1	U	ź	1	U	O	U	v	U	0	U	13
	IJ	5	v	U	Ú	U	1	1	0	U	Ú	U	o	0	U	1	0	U	3
	J.	0	v	U	U	1	0	U	υ	v	0	0	1	0	U	U	U	o	2
	T	1	Ų	U	v	9	υ	Ú	v	U	U	o	U	0	U	0	o	U	0
	Ĺ						-			-			_	_	-	•			
	¢	ø	J	U	J	U	U	U	0	1	Ú	V	1	0	U	0	U	U	5
	H	y	Ú	U	U	U	Ú	0	O	U	1	0	Ů	0	U	0	U	0	1
	74	10	r 0	U	Ü	Ú	U	U	0	ย	U	U	O	0	0	0	0	O	n
	e E	11	U	o	U	U	U	0	0	U	Ú	0	U	0	U	v	0	0	0
	5	12	U	U	U	U	o	0	0	0	0	u	U	υ	0	Ú_	٥	. 0	c
								-	_	•	•	-	-	-		•		-	
		13	U	U	Ú	0	U	o	U	c	U	0	U	0	0	0	U	1	1
	T	OT	152	77	45	50	12	10	כ	5	3	0	2	0	Ü	1	Ú	1	333
440	••	# 0 #	***		******	**************************************	к		ON & A		CE CRITE	HIA	: > OR * N				*****	****	*******
					n:					-	4		ь.		7	8	u	,	
								2	3			5					á		10
	C		ELT AC		LE	19.5		151 54.4	252 75•7				315 94.6	3 <i>e</i> .		25 •6	328 ∻8∙5	ăя. •39	
	С		ERCENT		₩	15. 45•		75 22.5	-20 7.0	3. 3.		7 1	5 -	i.		3- •9	.3		.3
	I	460 5	FHCENT	ACLEPTA AUÈ	ANCE -	20		- 29 8.7	3; 9.9			• 0 • 0	3.0	٠		·2	.9	,	3
		P	RRECT EHCENT	AGE		8 20 •		45 14.4	22 3.6		.,	6	.3	•	0	.3	.3	,	0

MULTIPLE REGRESSION ANALYSIS: MULTI-PARAMETER FIT

KNOWN ERRORS RUN 1

Mangrif 1	*	بر مست	ANTIZEL	J SCALLE	R ULAGR	AM OF	PREDICT	ED KNOWN	LEKRORS	. vs.	ACTUAL	KNOWN ERRO	JR5	-
						ac1	WAL KNOW	N EULDUS	•					
	0	1	2	3	4	5 ີ ຄໍ່	I GUE WINDE	8	9 10) 11	12	13 14	15	TOT
	*****	*****	000000		******	****	0	*******		*****	- U -	Church ()	******	***
- 4	152		3	- 0	U	ŭū		0	0 0	- 0	- U -	Q ()	- 0	169-
R 1	69	32	11	7	2	1 1	0	0	0 0	0	0	0 0	U	123
ับ ะ	10	5	5	7	3	ا د	0	0	0 0	U U	0	0 0	U	34
G3		0	2		- 0	0 0		- 0	0 0	0 -	_ 0 -	O O	Ų	-4 -
E 4	0	U	0	U	0	0 0	0	0	U 0	0	U	0 U	0	O
5	0	0	0	0		0 0	1	0	0 0	0			0	1
K - N = ∙6	0	0	0	. 0		a v.	0 .	-0	- O (3 0	ů .	0.	0	- 0
U W 7	U	0	0	0	0	ο υ	0	0	0 (0	0	0 0	0	0
N	0	0	U	0		0 0	1	0	0 0	0	· ·	0 0	· · ·	1
E .9.	0.	0		0	0	ua	a,	0	00	0.	U	V U.	U	0 -
8 0 10	U	0	ø	U	v	0 0	0	0	0 () 1	0	Q U	o	1
S 11		· ,	- - ·	0	0		0			0		υ <u> </u>		
14		0 _	0	0	0	0 0	0	0	Q (٠ ۷	. 0	0 V	. 0 .	. 0
13	U	U	U	O	0	0 0	0	0	0 () 0	U	o o	U	0
fut	232	49	. ـــــــ دُح	15	 5	4 2	2	0	0) ₁	₀	0 0		333
****	*****	****	****	****	*****	*****		*****	:		******	*****	******	
				KEJEC1			ACCEPTANC EU KNUWN			- 44 64 6	LPI IF <	a)		
				·-	. A.F					- IV ACC				
			N:	1	2	3	3 4		•	6	7	8 9	10)
	HECT ACC PERCENT	_	rt	152 45.6	265 79.6			97.					338 99.7	
	PERCENT			84 25•2	- 25 7.5							1 1 3 3	<u>}</u>	l
	ORRECT A		HIL	- 1/	7 ج 1 • اه				-			0 - 0 U •U	(•
	UKHECT /		[0:4	50 ∠4•U	10 4.6		3 U					1 0 3 •U	• (

MULTIPLE REDRESSION ANALYSIS: MULTI-PARAMETER FIT

POSSIBLE ERRORS RUN 1

			ųť.	4 4. I ZE'y	stall	ek ula	o##m	Ur rk	בטונוכט	PUSSIBLE	ERRURS	٧5.	ACTUAL	F0551	11.6	ĸ ₦₩₩5	
								ALTUA	L P0551a	LE EFFU	15						
		n neppudu	4	,,,,,,,,,,,	.j 	4 300030	5	0	1	0 Y	10	11	12	13 00 00 00	14]5	TOT
	,	-4	<i>(</i>	>	U	ij	U	V	v	y 6	6	U	Ú	Ú	v	U	121
		7.3	٠,٠		y	۷		1	1	û u	U	Ú	o	U	u	U	135
e,		,.	34		,		•	•	•			-	-	-		-	
,	c	11	10	7	1	′	U	U	U	U U	Ü	Ú	U	0	U	0	30
Ū		4	i	۷	c	4	•	ı	Ü	U U	V	U	0	0	U	0	18
Ť		i	U	1	ì	1	υ	U	U	1 0	1	U	U	Ú	0	U	6
i		Ú	U	ű	0	u	0	U	U	0 0	O	U	υ	U	U	υ	0
ب	כי	v	U	•		٠		-		-	- -	-	-		-		•
, 5		U	U	Ü	O	U	0	U	U	1 0	ย	O	Ú	U	Ü	IJ	1
Š	7	v	U	U	U	0	0	0	U	U U	U	U	Ü	U	U	Ų	0
1		U	y	U	1)	U	o	υ	0	0 U	0	υ	U	0	U	0	0
Ļ						U	u	Ú	0	1 0	ú	U	U	U	U	0	1
-	, y	U	U	V	U	v	٠	U	_	•	-	_	-		-	_	-
Ł	lu	U	U	U	U	U	U	U	0	U 0	Ò	U	U	0	0	Ü	0
R		tj	U	U	U	U	Ü	U	υ	U U	U	0	U	0	U	U	0
Ú H		ø	Ú	υ	υ	U	0	ú	0	0 0	υ	0	υ	ō	0	0	0
S					_			•			o	0	o	0	0	,	
	13	U	0	J	U	U	0	0	U	0 0	U	U	Ü	U	v	1	1
	101	140	78	54	19	14	2	2	1	3 0	1	O	0	0	Ų	1	333
000	***			****	*****		****	******	******	******	******	*****	******	*****		*****	******
					HEJEL				CPTANCE USSIBLE	CRITERI ERHURS	A: > UK =	NI ACC	LPT IF	< N			
				ry :	1		2	3		5	6		7	8	y	1	10
							_		•		_						
		EKCENT		CE.	94 28•4		225 7.0	276 5.5	303 U•14	320 96.1	325 97•6	32 90•		28 •5	330 1.99	33 99.	
							•										
		EHCENT		¥	120 37.8		3.2	16 5•4	1.8	.9	.9	•	6 6	••	٤.	•	.3
	INC	RRECT	ACCEPTA	ANCE	27		31 .		21	10.	5		•	3	1		1
	F	ENCENT	AUL		6.1	١ '	9.3	5.4	6.3	3.0	1.5	1.	2	•9	•3	•	.3
		HHECT !		lun	85 e 6		33 9.9	2.7	.9	.0	.0		0 0	.0	. i		0 .

MULTIPLE REGRESSION ANALYSIS: MULTI-PARAMETER FIT

TOTAL CHANGES RUN 2

			ψU	anT1/tu	SCAL	IEK UI	NAHU	JF PKE	JILIED	TOTAL	CHAN	らだろ	V5 •	AC TUAL	TOTAL	CHANG	t S	
		0	1	6	3		.	ACTUAL O	TOTAL 7	CHANUI	LS 9	10	11	12	13	14	15	TOT
		aaaaaa CA	C+	4	()	u a a a a a . Ú	0	j j	<i>U</i>	U	· · · · · ·	<i></i>	U)	ij	Ú	0	93
ڊ ڊ	1	60	32	15	5	-	1	U		0	v	U	U	v	0	0	Ű	117
د	-		_	•-		•	_	_		-		· <u>·</u> ·	-	•	-	-		
i I	c	54	13	1/	10	5	ל	2	U	1	U	U	0	Û	Ü	U	0	75
1	3	*	5	0	4	3	2	3	U	0	U	U	U	0	0	U	U	26
t. U	4	1	۷	3	٤	1	1	v	2	1	U	U	Ü	O	Ü	U	U	13
1	כ	U	U	U	v	1	1	U	O	0	U	Ú	U	U	1	0	v	3
0	n	ú	U	Ú	1	Ú	υ	U	0 .	0	U	1	0	U	Ų	U	U	2
T A	,	U	Ú	ŗ	U	U	U	ป	U	Ų	U	U	U	υ	υ	U	o	0
L	b	ú	U	Ü	0	Ú	ø	U	1	U	o	1	o	0	o	0	0	2
ŗ	4	U	0	Ú	U	U	Ú	U	U	1	U	U	U	Ú	U	U	U	1
Α	111	į,	U	U	U	U	U	U	U	Ú	U	U	υ	0	0	U	U	0
t) E	L	v	U	U	IJ	U	U	Ü	ú	u	U	U	0	U	0	U	Ü	0
Š	16	ď	Ü	U	u.	U	U	U	0	0	0	U	0	U	U	Ü	0	0
					_	-	-	-	•		_	-	_	· ·	•	-	_	_
	د (J	J	U	U	U	J	U	Ú	U	Ü	0	0	v	U	U	1	1
	151	152	11	45	4 تا	12	10	5	5	3	0	2	U	U	1	U	1	333
0000	****	***	44000	******	*****			Poboowop In & ALCEI				40004	*****	******		*****	****	
					ペピリレ	LT IF		ICIED TO				UR = 1	Ni ALCI	F61 14 -	< N			
				v:		ı	د	3	*		5	ь	•	7	8	y	1	.0
,	(int	ELT ALL	ar I and	. <u>C</u>			101	252	285	30		315	32		25	328	32	
	PERCENTAGE			17.	5 5	4.4	15.1	0.66	91.	3	94.0	40.4	4 47	•6	98.5	98.	8	
•	COMMECT MEDECITOR PERCENTAGE			47.		75 6.3	25 1.d	13 3.7	٤.	7	5 1•2	1.	4	3 •9	.3		1	
		_				_					_	12			-			
;		⊷ძედ[ძ გისქაქ-			<i>.</i>	.ti	5. l	در 4.4	/•b	o• 2		3+0	۷.	b • 1	•2	3 • y	•	9
		n-661 -		ou.	_	·	46	22	ب 2.7		2	i		U ()	1	1		0
	*	Ertz)		400		+ • 4	0.0	c • 1	•	U	٠.5	•1		٤.	•3	•	0

NADC-79163-50

MULTIPLE REDRESSION ANALYSIS: MULTI-PARAMETER FIT

KNOWN ERRORS RUN 2

		باد	~~1 <u>.</u> ZE <i>u</i>	564116	r Ulauki	id ur	44 6	.u]tici	/ KNUWN	EKK	0×5	٧٥.	ACTUAL	KNOWN	ERKUKS	,	
	ų		٤	3	. ;	A.,	IUAL	KNUPH	EMPUKS	y	10	11	12	13	14	i>	Tut
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~~~~	l l		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	00 m d€	U	0	4080 U	## **	#####	U	U U	U	U	168
ا ر	140	į ;	0		'	, ,		•	•	•	Ū	Ū	•	•	•	•	
4 <u>1</u>	2.4	31	10	o o	4	1 1		U	Ú	0	U	Ų	Ü	U	0	0	124
د ایر	1 12	5	J	1	.	3 1		6	J	o	U	0	U	U	U	U	35
i	1.7	-	•		_	_		•	•	-	-			-			
ť,	1	•	1	1	U	J U		0	U	U	Ú	0	Ú	U	v	U	3
] +	ú	U	U	J	Ú	U U		U	U	U	U	U	U	0	U	υ	0
S				_						0		U	U	U	0	υ	
٠,	17	v	ø	7	U	U U		1	0	U	U	U	U	U	U	U	1
À e	0	l,	U	U	U	U U		U	U	U	U	Q	υ	0	U	Ü	0
U .	ij		υ		U	u u		0	b	Ð	υ	υ	υ	0	Ü	Ü	D
w / N	"	1,	V	J	U			Ū	•	•	٠	•	•	_	•	•	•
¢.	G	ts	U	U	U	u u		1	Q	U	U	Ų	0	0	U	U	1
ቴ ለ ሃ	tı	j	u	U	U	u 0		ú	U	0	υ	0	U	o	0	o	٥
R 7	u	•	•	•	•	-		•	-		-	-	,	-	•		_
() to	e	U	U	U	U	U U		Ú	O	U	Ü	1	U	0	0	Ü	1
K 5 1)	v	u	U	U	U	u u		0	0	U	U	0	U	0	0	0	0
	-														_	_	
14	Ų	. "	Ú	0	U	0 0		ū	Ű	Ü	O	U	Ú	U	0	0	0
د١	J	. ,	U	U	U	u u		U	0	0	U	0	0	Ú	Ü	0	0
101	232	47	23	15	5	• a	:	2	U	U	0	1	υ	0	0	Ü	333
		***		*****	*****		***				*****		******		*****	****	****
				HEJEC1		TIUN &					0H = 1	vi ACC	FPT IF	< N			
			#:	1	ä	:	3	4	:	•	6		7	8	y	1	10
CORRE	ECT ACC	EFTAN		140	∠ 05		S	319	32		326	دد	10 3	31	332		32
	ERCENTA			****	19.0	50a	7	95.8	97.	3	ソゼ・ン	99.	1 99	.4	99.7	99,	. 7
Carre	ECT HEL			øi	29		٠	3		3	e		2	1	1		1 .
	EMCENTA		•	2403	7.5		Š	. 5	•		•6		0	.ŝ	•3		.3
****	3.car 1		a. ~=	رح	27	, .	25	11		5	_ 3		1	٥	٥		9
	RRECT A ERCENTA		411-E	0.0	d.]		,5	3.3	1.		- 3		3	.0	٠,٥		.0
				_													
INCO	KKECT +	化したし [.	IUN	54	10	,	2	Ü		0	U		U	1	0		.0

NADC-79163-50

MULTIPLE HEGRESSION ANALYSIS: MULTI-PARAMETER FIT

POSSIBLE ERRORS RUN 2

			u u	MIII I ZED	SCALL	K DIA	GRAM U	r rk	FOICLFD	P05518	bLE	EKRUKS	٧S.	ACTUAL	POSSIB	LŁ	ERRORS	
								ACTUA	L PUSSI	BLE EKH	4085	,						
		U	1	2	3	4	5	6	7	8	y	10	11	12	13	1+	15	TUT
	0	95	22	5	U	V	J	U	0	0	· * * *	U	U	U	U	0	ü	122
P R	1	69	4 Ú	14	y	ح	1	1	1	0	Ü	U	o	Ú	ง	u	0	135
ε	_	-	-				_	-	_	-	-	-	_	-	-	•	•	
U I C	5	10	lo	7	7	7	U	U	0	U	0	Ü	U	U	0	U	0	48
C	3	5	1	2	2	•	4	1	0	0	U	0	U	0 -	J	ŋ	U	19
Ē	4	1	U	1	Ţ	1	0	Ü	G	1	Ü	1	O	U	0	U	Ü	6
_	5	υ	U	Ú	U	Ü	U	0	0	Ú	0	U	U	U	U	U	U	0
P	6	U	u	U	U	ú	U	U	U	1	0	U	U	ø	0	U	0	1
S	7	ij	U	U	U	U	υ	Ú	U	Û	0	U	0	U	0	o	o	0
1	6	9	Ú	U	U	ú	ø	U	Ú	0	U	v	U	U	0	0	Ü	0
Ē	5	0		9	0	0	•	0	-	-				_	-	-	-	_
		·	U	-	-	-	U	-	0	1	0	Ü	U	ο.	0	U	Ü	1
£	10	O	J	0	U	0	U	U	U	U	0	U	0	U	0	0	Ü	0
R	11	Ů	U	U	U	U	U	Ú	U	0	U	U	Ú	0	U	0	0	0
	12	U	v	Ú	Ú	Ú	0	U	U	0	0	U	0	U	U	U	U	U
3	13	Ú	U	J	U	Ü	v	U	0	0	U	U	. 0	Ú	U	U	1	1
	TuT	180	70	44	19	14	5	c	1	3	U	1	U	0	0	0	1	333
••	***	******			****	****	440000	*****	******			*****	*****		*****	•••	*****	*****
					HEUEĻ				CY [ANLE US>IDLE			0R = N	I ACCE	PT LF 4	c N			
				4:	1		s	٤	4	5	ò	b	7	•	8	y	1	0
-		ECT ACL		E	75		20	211	303	320		325	321			330	33	
	۲	PERCENTA	UE		25.0	01	.9	5.60	71 - U	96.1	L	97.6	98.2	70,	,5 4	9.1	99.	4
1		ECT KEJ		ı	120 37.d		44 1-2	lo 5.4	6 1•8	3		ک بو.	.6		2	ا د.		1
		_							_									
		JKKECT A PÉKCENTA		JUNE	27 1•0		31 1.3	60 0.4	5.0 15	10 3.0		1.5	1.6		3 .9	i		1 3
		JARECI H		UN	65		3ċ	10	3	ų.	,	U	U	1	0	1		0
	f	ERCEN A	UE		45+5	4	.0	3.0	• 9	• 6)	•0	• 0	•	0	•3	•	

-ULTIPLE HEURESSIUM AWALTSIS: MULTI-PARAMETER FIT

TOTAL CHANGES RUN 3

			والما	4 x 1 ; Ze 1,	stall	le= c1	ADMAM (ur 1	-HEUluleu	IUIAL	CHA	NGES	V5.	AL TUAL	TUTAL	LHANGE	. 5	
									ML TOTAL									
	. د د د	204941			3	4) 40 0 4 0		6 6 4 6 4 4 4	/ 	d 000000	9 00#0	10 10	11	12	13		15	107
	.,	45	60	,	1)	U	J	U	U	U	0	U	U	U	U	U	U	ÿ6
7	ı	42	36	1 +	5	c	1	U	4	U	u	U	U	U	U	U	U	116
٠.	•	1^	13	17	9	5	5	2	U	1	Q	U	U	U	υ	U	Ü	70
l L	,	2	U	1	3	ح	i	3	U	0	U	U	o	U	U	0	U	28
: :	-	1	۷	خ	2	4	4	U	Z	1	G	Ú	U	Ú	0	U	U	14
Ü	>	υ	U	v	ı	1	1	υ	Ú	0	0	0	0	U	1	0	U	3
ľ	7	U	J	v	1	U	U	U	Ú	Ü	U	1	U	ú	0	0	0	2
I A	,	o	Ų	J	U	0	U	U	U	U	0	U	U	U	0	0	Ú	0
Ļ	3	0	U	U	9	U	U	o	1	o	v	1	0	O	0	Ú	U	2
C	· 'y	U	U	J	U	U	o	U	0	1	0	0	e	0	ď	υ	U	1
A V I		"	Ú	U	U	U	U	Ü	o	Ü	0	0	U	0	U	ū	Ü	0
ษ			_		-	-	v	U	-	-	0	Ú	0	-	-	0	U	_
3	_	U	U	U	U	U	-	•	0	U			-	U	Û	-	•	0
	2		٠.	0	U	O	U	U	Ú	U	U	Û	Ú	0	0	0	U	0
i	2	U	U	U	U	U	Q	U	U	0	Ü	0	0	U	0	0	1	1
10	T	154	71	45	20	12	1 0	5	>	3	0	5	U	0	1	U	1	333
	***	****	****	****	****		*****		******	*****	****		*****	*****	*****	~ ** **	****	*****
					KEJE	LT IF			CCEPTANCE HJ LATUI			0R = 1	AS ACÉS	LPT LĒ	< N			
				14:		ı	ક	3	•	:	>	٥		7	8	9		10
Lu	MMEC	T ACL	EPTANL	E	9:		les	£50	266	30		315	32:		25	328	3	29
	PEN	CENTA	uŁ		19.5	> >	>.0	75.1	85.9	91.		94.0	90.4	97	• 6	98.5	98	• 8
Çú		T HEU CENTA	ECTION GE	i	15 45•		75 2.5	27 8•1	- 15- 4.5	2.	7 1	5 1•5	1.	5	.9	.3		.3
In			LLEPTA	ALE	3	1	24.	32	24	z	0	12	. 4	8	•	3		3
-		CENTA			7.	د	d.7	9.0	7.2	6.		3.6	2.4		•5	• 9		•9
11		ECT H	EJECTI GE	ńw	6 20•		40 3.8	24 1.2	8 \$•\$	•	6	.3	•	D D	1 •3	•3		0

MULTIPLE MEGRESSION ANALYSIS: MULTI-PARAMETER FIT

KNOWN ERRORS RUN 3

~ *			a C	ANTIZEI	SCALLE	k 614	MAPU	UF F	-	U KNONI	N EKH	KUHS	٧5.	ACTUAL	KNUW	N ERRU	RS	
								ML I UA	AL KNUWN	. ENHORS	s							
	_	U	i	۷.	3		>	ь	7	¢	-	16	11	12	13	14	15	TUT
	v	153	13	0	v	U	U	v	0	0	0	0	0	U	0	U	U	174
P	1	71	ور	16	,	<i>c</i>	1	1	o	U	U	ı	U	U	٥	G	U	127
٤	-				•	_	_	_		-				υ	0	0		
ð I	~	0	3	۷	ľ	3	Ĵ	1	U	Ū	U	U	U		-		U	25
C T	ذ	د	U	ì	1	U	Ų	U	U	0	0	U	U	U	. 0	Ü	0	4
Ĕ	4	U	U	U	U	U	U	U	U	U	U	0	U	U	0	Ü	U	0
υ		()	Ú	j	U	U	Ü	U	U	0	0	U	0	U	U	U	U	0
K N		v	U	J	υ	U	U	U	1	U	Ü	0	υ	J	0	Ü	U	1
٠ *	,	U	U	ıJ	9	U	U	U	Ú	Ü	Ú	U	o	U	0	U	U	0
Ž.	•	U	_	_		-			-	-	-	-	-		-	-		•
£	3	t	U	,	υ	Ü	U	U	1	U	U	U	U	Ú	U	0	Ü	1
R	4	v	Ü	Ú	0	U	U	v	U	U	0	U	Ú	U	0	0	O	0
Ü	Įd	σ	()	J	U	U	0	U	U	0	0	U	1	0	U	Ü	0	1
۲ 5	11	U	υ	U	U	0	0	U	v	U	G	U	Ú	U	0	Ú	0	0
	ic	Ú	ı	u	U	u	U	U	ı	U	U	U	Ú	G	u	ú	o	0
	-	_	_	_	-	-		-		-			-		-	_	_	-
	13	v	Ų	J	U	Ü	U	U	U	U	U	U	U	Ü	0	U	O	0
	TUT	534	*7	23	15	5	*	4	۷	U	0	U	1	Ų	U	0	U	333
***	0000	******	****	******	; e u u u u u u o							*****	*****	*****	****	*****	•••••	*****
					nejel1				JUNATYJU Jeneuna			OR = 14	I ALCE	PT IF	< N			
				4:	1		ż	3	4		5	6	7	_	8	y		10
							./u		2	32		320	330			332		32
		itlT mlu 'EmCf %1#		, E	42.4		.1	301 4004	45.8 4.5k	32°		98.5	330 39•i		31 '•4	99.1	99.	
	Conn	CT KEJ	ELIIUN	•	bu		21	•	3		ذ	3	2		1	1		1
		EHCE! TA			24.0	•		1.2	• 7		ÿ	•7	.6		•3	.š	(•3
		INRECT A		INCL	د1		11	ćɔ	11		6	2	1		U	0		0
	•	'EKCENIA	UL		0.3	7	·.3	1.5	3.3	1.	8	•6	.3		•0	.0	•	• 0
		JAMECI M		NG	43.1	د	11 5.0	ن د.	0 • U		U U	. U	0		.3	0 • U		0

MULTIPLE MEURESSIUM AMALYSIS: MULTI-PARAMETER FIT

POSSIBLE ERRORS RUN 3

						_							_	_		
			ue	HWIIZED	SCALL	Ek ul	AURAM	Ut	rkeultieu	PU55IBL	F FKKUK2	٧5.	ALIUAL	POSSIBLE	EKKOK2	
								MLT	UAL PUSSI	DLÉ EKKU	K 5					
		ŋ	1	ے	3	4	5	6	1	8 9	10	11	12	13 14	15	TOT
	نت ز	400000 G4	دده ده درج	0	9		Ü	6	**************************************	U G		U	0	U U	J	128
ρ	_	•	6.5	·	•	٠	٠	Ū	•	•	•	•	•	• •	•	120
H		65	35	14	y	5	1	1	1	U U	U	0	J	0 0	Ü	126
t. U		د 1	17	8	7	7	U	0	U	ú v	0	0	0	0 0	0	54
I		1 -		•	•	•	•	٠	•	•		•	•	• •	•	
Ç		5	1	2	3	•	*	1	U	Ü Ü	U	ù	U	9 0	0	17
Ī		1	υ	1	j	1	0	Ú	υ	i o	1	U	U	0 υ	U	5
Ú								_		_	_					
۲	. 5	u	v	U	Ų ,	Ú	Ü	0	U	u 0	0	U	Ú	0 U	U	9
Ū		U	U	J	Ú	U	U	Ú	U	1 0	U	O	0	0 υ	0	1
5		,	U	ບ	U	U	U	- 0	U	u u	U	0	o	0 0	U	٥
1		•	٠	·	٠	٠	•		•	•			•		•	•
8		U	U	J	ú	Ü	0	Ü	L	6 C	Ú	U	Ü	0 0	U	0
<u>د</u>		J	U	U	U	J	U	Ų	U	1 0	Ú	0	U	0 0	U	1
											_					
E		t	ı	ິນ	-)	U	Ü	U	U	6 0	0	O	U	U O	J	0
H	11	ð	U	J	U	U	U	0	Ú	0 0	0	U	ú	Ú Ú	Ų	0
ų.		U	U	o	Ú	U	u	U	Ú	((Ü	υ	U	0 U	0	0
5		•	•	•	·	•	-	•	•					•		-
	13	IJ	U	J	Ü	Ú	υ	Ų	U	0 0	Ü	0	U	U U	Q	0
	IUT	160	70	24	17	14	9	4	1	3 0	1	U	U	0 0	0	332
					****				*****				•••••			
•••				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			JELTIG	N b A	CCCPTANCE	LHITEHI						
					4575j				PUSSIBLE		> 08 =	Ni ALCE	EPT 1F	< N		
				7:	1		ć	3	. 4	5	6	1	7	8	9 ;	10
		EUT ACC EUCENTA		t	24°1		222	28U		320 96.1	325 97.6	327 36-8		28 33 •5 49•		
	•	C (E1 #	.02		274.	•		0441	71.0	70.1	71.60	,04,	, ,	•••	. ,	•
		tlT 4t		i	123		42	17		2	4				9	0
	7	'E-(CE141A	105		35-7	, ,	2.0	2-1	1.5	•6	•0	• :	3	•3 •	•	•0
		HECT 4		INLE	27		34	26		10	5		•		1	1
	۲	EnCEnt.	UE		b • i	7	7.0	ö	£.0	3.0	1.5	1.0	2	.9 .	3	•3
	INC	MAECT M	EJECT	lu∿	91	l	36	,		O	U		Ō	O	1	0

MULTIPLE REGRESSION ANALYSIS: MULTI-PARAMETER FIT

TOTAL CHANGES RUN 4

		ut	Af. TiZEU	SCAT	EK UIA	UKAM	ur Pks	OICIED	TOTAL	LHAN	GES	٧S.	ACTUAL	TOTA	L CHAN	bES	
	U	1	2	3	•	5	AL TUAL 6	IOTAL 7	CHANG	£S 9	10	11	12	13	14	į,	TOT
	55 55	****** 20	 	. **** *	0	····	••••• • •	0	0		0	• U	Ü	j	Ü	Ü	96
٩	73	20	-	",	v	v	·	•	Ū	٠	•	•		٠	•	•	
н I г	hż	3υ	14	5	2	1	v	5	U	0	0	U	v	Ü	U	U	116
υS	10	13	1.7	4	5	5	2	G	1	U	Ú	0	U	0	U	U	70
I C s	6	9	1	3	2	1	ک	U	U	U	U	U	Ü	0	O	0	28
T E +	1	c	ċ	2	د	2	0	4	1	0	U	0	0	ð	0	U	14
ט ס	v	Ú	J	U	i	1	U	U	U	U	v	0	Ú	1	U	U	3
T 0 5	U	ď	Ú	1	υ	υ	Ú	6	0	U	1	0	Ú	0	Ú	U	2
T A 7	บ	U	ü	U	U	O	U	U	Ú	U	U	ü	U	U	U	IJ	0
L	t	Û	ij	υ	Ú	U	U	1	U	U	:	U	U	o	0	0	2
ť H y	j	v	U	ט	U	U	Ü	Ü	1	0	Ü	Ú	o	ū.	U	0	1
A	•			-	-	_	•	•		-		-	_	-	_		_
N 17	U	Ú	U	ú	¥	U	J	U	e	U	U	U	U	0	U	0	0
£ 11 S	U	U	ນ	ú	U	U	U	0	0	U	U	O	Ų	0	Ü	U	0
lc.	û	ð	บ	υ	U	U	U	0	0	U	U	U	U	0	Ú	Ç	0
13	0	U	U	ú	U	U	U	U	0	U	Ú	U	U	U	Ü	1	1
Tut	152	n	43	20	ìc	įU	>	>	3	U	2	c	U	1	U	1	3.13
****	****	****	*****	*****		****		259440				****	•••••	••••		••••	*****
				っとしたり			N & ALLE				، ج س۱.	N - A(C)	EPT IF	- 44			
				~EJE(PALD	10100 10	TAL CIT	44063		UK - 1	W. 702	CF1 41	. 14			
		-	·::	1	L	4	3	*		5	0		i	8	y		10
	Eut mic Emcenta		is.	7.A+: 0:		. 53 0 • 0	250 15 -1	9 65 4•Ch	4). 30		315 94.0	35.		25 • 6	360 48.5	ક ઇઇ	29 •8
	LUT HE. LHCEIITA		•)•¢•		75 :•=	دا 0.1	15 4.5	2•	7 1	1.5	1.	2	3 • 9	1 +3		.3
Intu	HECT 4	اللوباء	init,	3		ښے	32	24	ž		le		s ,	. ĉ	3		3
F	trCE!.T#	·uŁ		7•.	, ,) • ?	,5+p	1.2	٥.	U	3.5	۷۰۰	• 1	•€	•4		• 7
	nnECl : EnCEATA		10.4	ده د ۲۰۰		46 -0	C4 1 • C	5 7.4		2 6	۱ د.	•	บ บ	1 3	į. č.		0 • 0

THE RESERVE TO THE CONTRACT NOT COMPANY THE CONTRACT OF THE CO

KNOWN ERPORS RUN 4

			ية ۋرا	nn11451,		DIAUN,	am ur	ראבטונ.בו	אפטאא ע	EHHOPS	v5.	AL TUAL	KHUMN	EHHOHS	i	
		٠,		۷	3		9 5	UAL KNURN 7	8 9	÷ 10	11	12	13	14	15	TUT
	ti	154	ر ز موسوس		,000,000		j u			; t	Ü	U U	U	U	0	175
ب ب	1		د, د	16	,	۷ :	1 1	o	υ .	. U	U	U	U	U	0	126
Ł	٠	, , ,					-	•						-		
IJ	٥	. 6	3	٤	7	٠.	3 Ì	U	ט (0	0	J	J	U	0	25
ē	4	خ د	¥	1	1	0	u u	0	0	U 6	0	U	U	Ü	Ü	4
ī c	4	. (u	U	J	U I	י נ	o	0 1	U U	U	U	U	U	U	0
U	:	, (1	Ú	U	U	U .	ט ט	U	0	ט ט	0	U	0	υ	U	0
٨								1	u (. O	0	U	U	٥	U	•
0	•	.	U	ď	ú	U			•	•	U	U	U	Ü	v	1
*	1	7 0	j	J	U	U	U U	0	0	u C	U	0	0.	Ů	U	0
	•	s e	U	υ	U	0	v o	1	U	u 0	0	J	Ü	O	0	1
H E	,	, ,	U	ij	U	U ,	ט ט	0	u i	0 υ	σ	U	0	0	0	0
2	10	ວ ປ	U	U	J	-0	0 u	0	0	0 0	1	Ú	ú	0	U	1
K	_					•		-	•	-	-	-	_	·	_	
5	1	l J	Ú	Ú	U	U	υ ο	U	U	0 0	0	0	0	0	0	O
	12	ė u	g r	J	ű	U	0 0	0	0	0 υ	0	0	U	U	0	0
	į.	ט כ	, ,	ť	U	U	0 0	Ú	0	0 V	0	0	Ü	U	0	0
	Tυ	1 232	47	23	15	5	• 2	ż	Ü	0 0	1	O	0	0	U	333
	**	*****	900 000	******	******			CCLPTANCE			••••••		*****	*****	****	******
					HEJECT			D ARONN E			NI ACÇ	EPT IF	< N			
				:41	1	2	3	•	5	ē		7	8	9	1	0
	CUI	KKECT ACC		E	154 45.2	270 1.10	301 90.4		324 97.3		33. 99.		31 •4	332 99.7	33 99.	
	ce	HHECT HE			60	21		. 3	3	3		2	1 -	1	•	1
		PERCENTA	GE	•	24.0	6.3			.9				.ŝ	۽.		š
	IN	CUNHECT A		MACE	د.ه د.ه	31 9.3			1.8			1 3	0 • U	.0		0 0
	IN	CORRECT H		[04	75 23•4	11 3.3			.0 .0			0	.3	U		0 D

MULTIPLE REGRESSION ANALYSIS: MULTI-PARAMETER FIT

POSSIBLE ERRORS RUN 4

		ψU	ANTIZEU	SCATT	ER DI	AGRAM	OF	PREDICIED	POSSI	HLE	ERRURS	VS.	ACTUA	L POS	518LL E	RHORS	
								UAL-POSSI									
**	U	l	2	3	****	5 ******	6	7	8	9	10	11	12	13 *****	14 ******	15 •••••	TOT
	99	23	6	_ 0	0	0	0		-0	-0-		0	٥-	0	0	0 .	128-
P R I €	65	35	12	9	s	1	1	1	Ú	0	0	0	0	0	0	0	126
Ü Ł	13	19	8	7	7	O	0	0	0	0	0	0	0	0	0	0	54
I Ç3- ~	5		z		4-	4		0		-0		0	- 0	0	0	U.	. 1.7
T E 4	1	0	1	0	1	0	0	0	1	U	1	U	0	0	0	o	5
υ 5	υ	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0		0
P U - 1	0			0	- C		0		_L	. 0	0	0	Q _	0_	Q	. 0	1
S S 7	0	0	U	U	0	0	0	0	0	0	0	U	0	0	0	U	0
I	0	0	0	. 0		0	0	0	0	0	0	0	0	0		0	
L £—.9—	0			0	0		0 .	0	.1	_0	0	0	. 0	0	0	- 0	1
E 10	0	U	0	U	0	0	0	0	0	O	0	0	0	0	0	0	0
H 11	0	0	- -	0	0	0	0	0	0	0	0	U	0	V		0	0
0 R-12	0				۔۔ لا۔۔	0_	_ 4.		0	. 0.	0	0	0	. 0 .	_ 0 .	0	·~ 0
\$ 13	0	0	0	0	0	0	0	0	0	0	0	0	Ú	U	0	0	0
TOT	160	78	29	17	14	- 5		1	3	0	1	0	0	Ü	0		332
	5+q***	*****	*****	kEJE(HE.	JECTIC)N & #	CCEPTANCE POSSIBLE	CHITE	KIA					••••••	•••••	****
			N:	1		ź	-3			5	. 6	1	•	B	4	,	0
34402 <u>-</u> 34	CT.ACL HCENTA		£	99 29•1		266 - 0.7	260 84.1		de •00		325. 9 7 •6	32t 3•86		328 8.5	330 99•1	33 99.	
	CT-ked kCE~TA		banen .	- 12: 30:5		42 2.6	17 2-1		-	2	· S	• -		.3	0 •0		0 ···
	10341 411132H		MLL	25 H • 1		ځ ۲ ۰ ۵	۲. ۱		. 1 3.		5 1 • 5	1 - 6		3 - •9			1 3
	WECT H		ON	n)		35 4.8	2.1			υ 0	0 • 0	.(.0 .0	1 •3		0

APPENDIX H
RESULTS FOR THE NONLINEAR FIT

NADC-79163-50

annit (là	TIONS OF INUFPENDENT VARIABLES
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-uulo:	AT ARMAY OF WIES
:	particulate CHCODES-IGIAL Herebeloces
4-1 = :	arayChine OPCJurs-Unique references
.)-12 :	DIRECTIVE OPCODES-TOTAL MEFERENCES
J-U% :	DIRECTIVE OPCODES-UNIQUE MEFERENCES
95-T-:	GLOBAL EXPRESSIONS-TOTAL PEFERENCES
-: <del>-</del> t-:	SEUMAL EXPRESSIONS-UNIOUN PENTRENCES
• T-:	SLUBAL GAMES-TOTAL MERRHESCES
, . <b>-</b> j≪:	oblimat marts-divinue reflire ths
(E-TA:	LOCAL EXPRESSIONS-TOTAL PEFERENCES
<u> </u>	LOCAL EXPRESSIONS-UNIQUE HEFERENCES
L'T÷:	LOCAL NAMES-TOTAL REFERENCES
<u></u>	LUCAL DAMESHU AIDRE HEFERET LES
· • •	4CCARE MURTER
-i-:	alvaces=10TAL Artiminuts
∪~	YUMBERS-UNIQUE FFFERENCES
ir-T4:	NOGERANCHING OPCORES-ISTAL REFERENCES
.5~⊍∺:	HOWBRANCHING OPCODES-UNITUE PEFERENCES
	TOMER OF CARDS
٠ <u>٠</u> :	2-110-12: CL =+ [[1
[- :	במולצובאס-זעופן בהרבאב ענבט
: دز	AEGISTERS-UNIQUE REFERENCES

CUNSTANTS	FOR EQUATION USE	D TO CALCULATE PR	EDICTED VALUES FO	OR NON-LINEAR FI	<u> </u>
286				, , , , , , , , , , , , , , , , , , ,	-
	DEPENDENT VARIA		. CHANGES	<del></del>	
INDEPENDENT	RUN I	RUN 2	RUN 3	RUN 4	
ALLIS	h / oht + 00	6753E+00	1089E+01	1283E+01	<u> </u>
H-TR	• 0	.0	2074E-01	•0	
e-ur	4.15502-01	43080E-02	4.1685E-01		
7-1K	.0	.0	6157E-02	.1096E-02	
D-13ft	.1953E-01	2371E-01	.1986E-01	1978E-0Z	
GE-TR	-:1749E-01	-13305E-01	-11880E-01	-13661E-01	•
GE-UII	.1480E+00	.1948E+00	.1476E+00	.1916E+00	
gn=TR	.5369E-02	.2179E-02	.1562E-01	.6090E-02	
en-ua:	-11004E-02	STATE OF THE PARTY	4	2238F-02	
(E-1H	.7542E-01	.5696E-01	.8204E-u	.5636E-01	
Lt-UR	1170E+00	1162E+00	1285E+00	116ZE+00	
LN-TR.	2365E-01	-11200E-01	-4512et-02	,2:49F-02	-,
E-1-OH	.53502-01	.4201E-01	.3679E-01	.2937E-01	
nti .	•0	7216E-01	•0	7587E-01	
N-TR	6818E-02	-16399E-02	3274E-03	-13797E-02	-
11-1JH	.2972L-01	.2272E-01	.241HE-01	.1861E-01	
-1H-TH	.0	.0	1542E-02	.7040E-02	
NH-UR	.1332É-01	.2105E-01	.1579E+01	.2498E-01	!
HC	11936-02	.3391E-05	.1035E-02	.2810F-05	
υÇ	.2567E-r5	.2619E-05	• 0	•0	
P-TR	75656-02	9416E-02	38256-02	9429E-02	
3-114	.37711-11	•3J41c-01	.3279E-01	.2981E-01	
CHISTANT	.1079E+01	•1177E+01	.2214E+01	.2409F · 01	_,_,,

". " - " E. LIIN. OSED TO CALCULATE PREDICTE VALUES FOR MIN-LINEAR FIT

	Immy I. + .12+3.	אטרב: עונה	INN EHHORS	
. '0	40% 1	kun 2	RUN 3	RUN 4
****	7~7~t+As	77ent +60	162Ht-01	1659E+01
• '	• 1	• 0	.6475E=02	• 0
	77306-03	+242Ht-04	-9830E-02	.1061E-01
~	4 **	• (1	. 4566; -02	.1740E-02
- •	13/32-62	1066E-01	.3057E-01	.2312E-01
as #In	2d0xt-01	2425E-01	2389E-01	2559E-01
44 = 2=	.154 15 +00	•1577E+0u	•1301E+00	•1386E+00
20,222	.43272-02	.4141t-02	-2487E-02	.55078-02
(いーしゃ	1705£-01	1685E-01	2472E-01	2237E-01
E w m Tree	.11796.00	•1167£+00	•9A17E-01	•10ĪSE•ÕĀ ~
12014	18646+00	18676+00	1639£+00	
E-1-TH	24626-01	2404L-01	1142E-01	1720E+00
£un	.44548-01	-4902E-01	•2027E-01	7049E-02
4,	•0	+238t-05		-2460E-01
.,د ۲	m		•0	8542L-02
	70946-02	714AE-02	1079E-01	8379E-02
*, == 1 ==	.29246-01	10-16492•	.2304E-0]	-2204E-01
V=-14	•0	•0	-241HE-01	.2069E-01
<b>パポールや</b>	.1378t-01	-1429E-61	.1544E-01	.1505E-01
r-C	.536eE-03	76ASE-03	3515E-03~	1355E-04
ρć	•3453E-05	-3947E-05	•0	•0
e-14	5837E-02	5906E-02	1186E-01	1076E-01
عن=٥	4431E-01	.4906E-01	.3768E-01	3908E-01
CONSTANT.	.9235E+00	•9082E+00	•2397E+01	•2357E+01

# CONSTANTS FOR EQUATION USED TO CALCULATE PREDICTED VALUES FOR NON-LINEAR FIT

	DEPENDENT VAPIAN	LE: POSSI	BLE ERPORS	
I .UEPFNOENT JAHIARLE	RUN 1	RUN 2	- RUN 3	RUN 4
	1191E+01	9591E+00	1844E+01	16268+01
_ a=1=	• U	•0	2187E-01	•0
i-13H	.1498E-01	.2713E-01	.2117E-01	.3601E-01
2-1-	• <del>ປ</del>	•0	1275E-01	5191E-02
^ w	1317E=01	4957E-01	.b174E-02	1946E-01
GE-TH	00336-01	8377E-01	6613E-01	84276-01
,- ~tj~	.23266+00	.2721E+00	.2309E+00	.2684E+00
C:-Ik	.1-316-02	1642t-02	593t-01	.5694E-02
รน-ยค	7896E-03	.6192E-02	3547t-02	29676-02
LFETH	.75246-01	.790HE-01	.6795E-01	.627#E-01
g + william	14021-00	13636+00	133at+00	11626+00
Fa-15	2751E-01	1939E-01	2945E-02	.9765E-04
t itut	.57316-01	-58476-01	.470m£-01	.3n3+ë-01
	• **	550mb-01	•0	64456-01
N=TH	1373E-61	1351£-01	7551E-07	1060E-01
* = 1 11	5745-91	./e77r=01	.20405-01	-2001E-01
· -T-	•"	• 0	.25/nt=02	.1160E-01
٠ ربعه ١	.!unnt-ul	.1407t-01	.1476t-01	.1436E-01
	, = ( 4 ×2 = 1/4	. c 103t =02	.703mc=63	.14426-02
•	. 1/1 5-17	. 45445-415	<b>.</b> (1	•0
waTm	505ht=02	75596-02	4380£-02	914Ht-02
	्र प्रश्नित्तर करोडू	.40546-01	.64375-01	.30lic=01
·	.1++12+4,1	.1e76t+01	.2733E+u1	.225*c+91

MULTIPLE MEGHESSION ANALYSIS: NON-LINEAR FIT

TOTAL CHANGES RUN 1

		Qυ	ANTIZED	SCATT	ER DI	GRAM	OF PR	EDICTED	TOTAL	CHA	NGES	vs.	ACTUAL	TOTAL	CHANG	ES	~
_							ACTUA	LATOTAL	_CHANG								_
	) 000000	1	2	3	4	5	b	7	8	9 ••••	10	11	12	13	14	15	TOT
0	72 _	25		0		0	Q	Q	Q	_0	_0	0	0	G_	0	. 0	102
₹ 1	58	33	19	9	1	1	0	1	0	0	0	0	0	0	0	0	122
0 5	15	14	14	-5		3	1	1	1	0	0	0	0	0	0	0	59
c 3.	7	2	. 4		4	3	<b>.</b>		0	_0_	0	0	. 0	_0_	0	_ 0 _	. 30
Ė 4	0	0	2	ŋ	1	ì	1	1	1	0	0	0	0	1	0	0	8
. 5 -	0	0	ī		1	_ S	-` -0	0	0	0	1	0	- <u>.</u>	0	0	0	7
0 5	Q.	U	<b>9</b> .	0	0	0 _	.Q	0	. 0 .	0	0, ,	Q	_ 0	.0	0	0 .	_ Ω.
A 7	0	0	0	1	0	0	0	Q	0	0	0	0	0	0	0	0	1
L #	0	ວັ້	0	o -	0 -	0	. 0	1	ō -	0	0	· o	Ō	ō	0	_ 0	1
C 1 9	U	v	_ 0 _	. 0	0	0	Q	_ ,0	_1	0	1_	0 _	_ 0	. 0	Q_	0	2
A N 10	0	0	0	0	0	0 .	0	0	0	0	0	0	0	0	0	0	0
6 5 11	0	ø	_ 0	o	, o	0	0 -	0	0	0	0	0 -	_ 0	0	0	0	0
s 12	Q	0	0	0	. 0	0_	- 0	0	0	0	_ 0	. 0	0	0	6	0	ŋ
13	0	0	0	0	0	0	0	0	0	0	0	0 -	0	0	0	1	1
TOT.	152	77	45	20	15	10	5	5	3	0	s	0	·- o	1	0	- <u>î</u>	333
,,,,,,,,	0004000		C++++++	****								*****				*****	*****
				KEJEC				CEPTANCE				NI ACC	EPT IF	< N			
			. N:				3 .			5	6		7	8	9	1	10
				-		_	_							-			
	ERCENTA		ŧ	21.6		105	76.6	268 66.5			94.6	96.	0 3 1 97	•6	328 98•5	98.	.8 .8
Cook	ECT REJ	ECT10N		_ 151			31.	14.		7	. •		<u></u>	3 . 9	2.		1.
5	E-CE-ITA	ĢĒ		45.3	, s	0.4	y.3	4.2	5.	1	1.5	1.	2	.9	•0	•	.3
	HRECT A		NCŁ	30 9•0		36 0•8	. 28 8.4	. 25 7.5	2		13 3•9	2.	B .	•2	6•		3
	_						-				3.,		_	-			
	RRECT_P		.ON	24.0	<del>-</del> - <del>-</del> -	2.3	5.7	<u>6</u> ]•8	<del></del> 1.	5 5	1 3		1 3	.i .3	<del>1</del> -		.0.

MULTIPLE REGRESSION ANALYSIS: NON-LINEAR F	MULTIPLE	LINEAR FIT	ANALYSIS:	REGRESSION	MULTIPLE
--------------------------------------------	----------	------------	-----------	------------	----------

KNOWN ERI	)APC	RUN	1

		QU	ANTIZE	D SCATTE	R DIAG	RAM OF	PREDIC	TED KN	DWN E	RORS	vs.	ACTUAL	KNOWN	ERROR	S	
				3	4	5 AC	TUAL KNO	WN ERR	ORS	10	11	12	13	14	15	TOT
	****	00#000	00000	******	****	· • • • • • •	******	*****	*****	****	*****	*****	*****	*****	****	****
Q	_ 163	10		0	0	0(		0	0	0	0	0	0	0	0	187
Q 1 E	59	26	10	7	5	1 1	. 0	0	0	0	0	0	0	e	0	106
ა ა	, A	5	5	5	3	3	0	0	0	0	0	0	0	0	0	30
<u>53.</u>	2_		2	_ 3	_ 2	0	0	2	0	0	0	_0	0	<del></del> _0	_ 0	7
T E 4	C	0	0	0	0	0 (	0	0	0	0	0	0	0	0	0	0
2-5	0	0	0	0	0	0 (	1	0	0	0 -	0	<del>-</del> <del>-</del> -	0	Ō	0	1
K N 6	9.	0	0	. 0	0	0(		_ 0	_ 0_	0_	0		0	0		9
0 ≓ 7	O	0	0	0	0	0 (	0	0	0	0	0	0	0	0	0	0
<b>'</b> 4	ð	.0		<del>-</del>			· 1	- 0	0	0	ô -	ď	ō	ő	0	ī
F	o	0_	0_	. Q	.0	0		0	0	0	0	9	0	. 0	0	0
a		_						-	-	-				_		
3 10 ⇒	0	С	0	0	0	0 (		0	0	0	1	0	0	0	0	1
5 11	n	Ω	)	0	n	0	0	0	0	U	0	0	0	0	v	0
14	O	ı	Ú	v	C	0 (	0	0	0	0	0	0	ð	Ū	Û	0
13	0	U	0	0	0	0 (	0	0	0	G	0	0	0	0	0	0
TCT	232	44	23	15	כ	4 2	2	0	C	0	1	0	0	0	0	333
<b>ଓଟ୍ଟ</b>	644444	*****	******	4696 14035	REJE T IF		ACCEPTAN			****** ; > 0R =	444400	PT IF	***** < N	*****	••••	••••
			*:	1		Ê	3	•	5	D	7	7	8	¥		10
	FACENTA		: <b>:</b>	163 -8.9	14. Še		)n 31 1 95•		32 <b>-</b> 7.3	325 94.5	330 99•1		31 •4	332 99.7	3. 99.	32 • 7
	607 PE.			77 2341	1.			3	.4	. b			.3	.3		.3
	EPCE.IA		46É	24 7.2	2 #•		)3 ] .y 3.	1 .3	6 1.8	.9	•		.0	.0		0
	-PFCI : • -CF, T,		ויטן	54 54.7	:			0	0	0	(	)	.3	0 •0		0

MULTIPLE MEURESSIUM AMALYSIS: NON-LINEAR FIT

POSSIBLE ERRORS RUN 1

			ພູບ	CHELTINA	SCAT	TER DIA	GRAH	OF PR	EUICTE	209	SIBLE	ERRORS	vs.	ACTUAL	POSS	IBLE E	HRORS	
									L. POSS									<b>7</b> 0-
	_	() 0 e <b>a a 5</b> 0 0	1	2		4	5	b	7	H	,	10	11	12	13	14	15	101
	9	192	?3	4	9	n _	0.	.0 .	.0 .	٥.	0	0	9	. 0.	0	0	0	133
9	1	61	39	10	12	s	1	1	1	0	0	0	0	0	0	0	0	127
Ş	7	15	lo	•	4	7	0	0	0	0	0	0	0	0	0	0	U	44
ç	3	5	1.	. 4 .	1	3	_3 _		0	.Q	n	. 0	0	0	0	0	0	18
Ę	4	0	0	1	5	5	2	0	0	1	0	1	0	0	0	0	0	8
נע	۴_	C	¢	<b>ງ</b> ົ	0	0 _	9	0	0	0	0	0	0 `	0	0	0	0	0
û.	•	0	0 _	e	Q	0	<b>2</b>	0 _	0	_1	0	0	0.	U	ø	0	.0	1
5 1.	7	ņ	ò	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	-	ŋ	0	0	0	0	0	0	Ú	0	0	0	0	ō	Ō	0	0	n
É	ų	ē	_ 2	Ú	Đ.	0	0	0	Û	1.	_0	. 0	0	0 _	0	0	0	1
E R	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0
	11	9	0	υ	0	0	0	ò	0	0	0	0	0	0	0	0	0	0
	12	0	0 .	O	.0	_ 0 _	٠.0.	U	0	.0	0	Q _	_ O.	. 0.	0	ø	. 0	٥
7	13	э	0	c	0	c a	0	0	0	0	0	0	0	0	0	0	0	0
1	ЭT	180	76	29	19	14	5	2	1	⁻ 3	. 0	-i -	٥	0	0	0	Ō	332
2000		***	******		***							*****	*****	•••••		****	• • • • • • •	*****
					REJE	RE CT IF		ON & AC				: > OR = f	N# ACC	EPT IF	< N			
			-me- = -	ત્યું ,		1	z	3			5	6		7	8	9	-	O
4	196	ECT AC	CEPTANG	:E	1		225 7.6	276	303		_320 96.1	97.6	32 98•		32 <u>8</u> 3.5	99.1	35 99	31 _
	•	ERCENT	AGE		30 (	.0 0	140	02.7	9140		7061	77 40	,,,,			,,,,		, •
_(		ECT RE	JECT10	ν	1 36		39 1.7	5.1	2·1	•		2	:	1	.3	- 0		0
	n.c.	)_arr	ACCEPTA	ANCE.		<b>1</b> 1	_35.	2b	19		10	. 5		4	.3	1		1
·		EFCENT					0.5	8.4	5.7		3.0	5. 1•5	1.	2	•9	•3	•	.3
		PERCENT	REJECT:	LON	23.	78	33_	11_ 3.3	3	<del> </del>	<u>0</u>			<u>0</u> .	0	.3		0
							-		•									

### MULTIPLE REGRESSION ANALYSIS: NON-LINEAR FIT

	TOTAL	CHANGES	RUN	2
--	-------	---------	-----	---

		QU	ANTIZE	SCATT	ER DI	AGRAM OF	PF	REDICTED	TOTAL	CH	ANGES	vs.	ACTUAL	TOTA	L CHAN	3ES	
								AL TOTAL									
••	0	1	5	3	****	5	6	, , , , , , , , , , , , , , , , , , ,	8	9 +++	10	11	12	13	14	15	701
_0	65	25		0	0		_0	0		0_	0	0	0	_0_	0	0	45
1	68	34	17	5	2	1	0	2	0	0	0	0	0	0	0	0	129
5	14	13	13	10	4	4	1	0	1	0	0	Ó	0	0	0	0	60
3_	5	4		2	4_	2	_2	o	_0	_0_		_0	Q	0_	0	0	25
4	0	2	2	1	1	1	2	s	0	0	0	0	0	0	0	0	11
5		0	1	1	1	<u> 2</u>	0	0	1	0	0	0	0	1	0	0	_ 7
<u> </u>	. 4	0		00	_0	0	_0	0	0	_0_	0	0	0	.0	0	_ 0 .	Q
7	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	2
<b>,</b> -	a	0		<u> </u>	0	0	ō	<del></del>	0		1		₀	o···	- ō	0	2
									_		-		0	0	0	0	
ų	Ģ	, 0	_ Q	0	0		Q			_ 0	_ 0	_0.	-	-	•		1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
1	9	U	0	ŋ	0	o ·	0	0	0	0	C	0	0	0	0	0	0
ş	o	ō	9	0	0 _	9	0	n	0	0	0	0	0	0	Ô	0	0
13	0	0	J	0	0	0	0	0	G	0	0	0	0	0	0	0	0
ŗτ	152	77	45	ە ح	12	10	5	5	3	0	ż	0	0	1	0	0	332
6996				0400040		******					****			****			••••
					₽£			CEPTANCE									
				REJEC	T IF	PHEDIC	TEU	TOTAL C	4ANGE 5	,	> OR = 1	NI ACCE	PT IF	< N			
			-:	1		5	3	4		5	6	7	•	8	4	1	10
			-t	00 17•5		191 7.4	75 <b>-</b> 76.3	286 85•9	30 90.		315 94.6	320 96•1		-6	326 98.5	3; 66,	29 •8
	CT -6			150		70	5+	15		b	4	4		5	0		0
. :	CE+,14	*'72		44.0	, ,	1.0	3.4	4.5	2.	4	1.5	1.2	:	•6	-0	•	• 0
	.»ECT a		41.LÉ	31) 9.0		33 7.7	36 9•0	6.4	1 5.		12 3•6	2.1		•2	.9	•	3 9
~(.2	.:c1 -	EJECT	lo^	<b>₽</b> 7		3è	20	8		4	1	1		1	1		0
				٠ - ١		1 .	- 0		1	~	*2			**			Α.

### MULTIPLE MEGHESSION ANALYSIS: NON-LINEAR FIT

TOTAL	EDDADE	DIM	•

		QUA	ANTIZED	SCATTE	R DI	AGRAM C	F F	PREDICT	ED KN	OWN ER	RORS	vs.	ACTUAL	KNOWN	ERROR	s ¯	-
			- <del></del> -	3	4	5	ACTUA	AL. KNOE	N ERR	ORS	10	11	12 -		14	15	TOT
0	154	17	7	0		0	0	•••••• n	*****	.0	0 _	O.	0	0_		0	188
p			·											-		-	
R 1 E	58	27	9	7	5	1	1		0	0	0	0	0	0	. 0	0	105
2 (	A	2	5	5	3	3	1	0	0	0	ō	0	0	0	0	0	30
I C3		0			_0	0		0	0	0	0	0_	Q	0	0	Q	
T E 4	a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(
D			0				<del></del>				0		ŏ	0		-	
ĸ		•	_	-				-	-	•	-	-	•	-	•	-	
N\$				0	0	0	0	0	0 .	0_	0_	0	_ 0	0	0	0	(
w/ 7 N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C
٠	0	0	o -	0	0	0	ô	1	0	- o	0	0	0	Ō	0	ő	1
E H 9.		_ 0			0	0	0	0	0	0		0	. Q	. Q	_0	_0_	(
R O 10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	٥	0	1
R		0			0	0	o				0		0	٠			
	*1	v	U		-	_	٠	v	U	U		•	_	-	-	-	•
12	â	_9	0	. 9	0	û	_ 0 _	_Q_	_ 0 _	0.	. 2.	0 .	9	0	0	0	. 0
13	0	0	0	0	0	0	C	0	0	0	0	0	0	0	0	0	(
TOT	232	49	53	15	5	4	5	5	0	0	0	1	0	ō	0	v -	33:
****	0000 <u>0</u> 0	q= <b>0</b> 000		*****		*****	****			*****	*****			•••••			
			-	REJECT		JECTION PREC		CEPTANO KNOWN				NI ACC	EPT IF	< N			
			٧:	1		5	3		,	5	6		7	8	9		10
_CORR	ECT_ACC	th IANC	E	164		266	300_	315	·	324	326	33	03	31	335	3:	32
	ERCENTA			49.2		9.9	90.1	95.8		7.3	98.5	99.		• 4	99.7	99	
	ECT_REJ			77		_25	6			-3	<u>2</u> _		<u> </u>	<u>1</u>	1		<u>_1</u>
p	ERCENTA	けと		23.1		7.5	1.6	• 9	,	• 9	.6	•	6	.3	د.		. 3
	PHECT A		NCL	7.2		<u>27</u>	23_	11 3-3		<u></u> 6	3		1	0	0		Q
							0.7	30.	,		• •				• •		
_INCO	RRECT R		ON	<u> </u>		15 4.5	1.2			-0-	0		C C	<u>.</u>	0-		.0

## MULTIPLE REGRESSION ANALYSIS: NON-LINEAR FIT

# POSSIBLE ERRORS RUN 2

			QU	ANTIZE	D SCATT	ER DI	AGRAM	OF P	REDICTED	POSSI	BLE	ERRORS	V5.	ACTUA	L POS	IBLE E	RRORS	
								ACTU	AL POSSI	BLE ER	RORS	:						
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOT
		100	24		0	0_	0	. 0	0	0	0	00	0	0	0	0	0	136
;		67	38	13	11	2	1	1	1	0	0	0	0	0	٥	0	0	134
	2	10	15	5	5	6	0	0	0	0	0	0	0	0	0	0	0	41
	3_	3	1	3	2		3	1_		_0	0	0	0	_ 0	0		0	17
		0	0	1	1	s	1	0	0	1	0	1	0	0	0	7 0	0	7
1	· · ·	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	. 0	1
_ (	) )	0_	. 0	0	0.	o	0	0	_ 0	,	0	0	0	. 0	0	0	0	1
	5																	
	5 7 L	0	0	<u> </u>	0	0	0	0	0	0	0	0	0	0	0	- 0	0	0
	A M	0	0	0	э	0	0	0	0	0	0	0	9	0	0	0	0	0
	Ę 9	0	_ 0	. <u>o</u> .	_ 0	0	0	0	0	J	0_	0	_0	0_	0_	0	_ ō*	1
	E 10	0	ð	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	- 11	0	v	0	J -	0	Ō	ō	ิ	0	0 -		ō	0	0	O	0	ņ
;	9 2 12 5	2	n	ø	2	<b>. 0.</b> .	0	_ 0	0	0	0	ů	o	0	0	0	0	9
	13	3	Û	0	0	0	0	0	0	0	0	0	0	0	0	0	C	0
	TOT	J×o	7=	14	10	14	5	2	1	3	C	1	0	0	0	0	0	335
60	0-00				5 ° 5 5 5 * 4			•••••	******				•••••	*****	*****		•••••	*****
					#EJEC				CEPTANCE POSSIBLE			: > OR = N	# ACCE	PT IF	< N			
				<b>%</b> :	1		5	3	۵		5	6	7	,	Ħ	9	1	n
		EUT -CO PERCENTA		,t	190 30•0		224 5.5	27c 83.5	363 91.0	31 95.		325 97.0	327 98.2		328 5.5	330 99.1	33 99,	
		FCT WE.		,	128		34	18	7		5	s	1		1	0		0
	•	F-CEMI	262		36.0	, i	1.7	5.4	2.1	•	,6	•6	•3	3	•3	•0	•	.0
		EC+ .		1462	30 9•0		35 0.5	€7 6.1	19 5•7		0	5 1•5	1.8		.9	.3		1.3
		,-nce.'!; ;-nect.';		0N	3••€ a(		29 a.7	9 2.7	. 4.		1	0	•0		0	.3		0

## MULTIPLE REGRESSION ANALYSIS: NON-LINEAR FIT

#### TOTAL CHANCES RUN 3

		QU	ANTIZE	SCAT	TER DI	AGRAM	OF PR	EDICTED	TOTAL	CHA	NGES	¥5.	ACTUAL	TOTA	L CHAN	ES	
							ACTUA	L TOTAL	CHANG	ES		<u> </u>					
	0	1	2	3	4	5		7	5	9	10	11	12	13	14	15	TOT
	_59	21	6		0	0		0	٥	.0.	<u> </u>	0	0	_0	0	0	85
1	73	36	18	7	2	1	0	s	0	0	0	0	0	0	0	0	141
. 3	15	14	11	ő	5	4	1	0	1	Ô	ō	0	0	0	0	0	60
	5			2		2_	3			_0	0	0	0	0	0	0	26
4	1	ú	2	0	1	1	1	1	0	0	0	0	0	0	0	0	7
5	0	0	1	1	₁	5	U	0	1	0	0	0	0	1	0	ō	7
)6		0		2		<u> </u>	0	0	1	_0	1_	0	0	0	0		
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9
	0	0	0	0	0	G	5	1	0	0	1	0	0	0	0	0	
9 _	0	0	o	0	0		0		0	0	0	Q	0	0		0	
10	0	0	0	0	0	0	o	0	0	0	0	0	0	0	0	0	C
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō	0	. 0
14		a_	<b></b> 0		0	0	0	0	_ 0	_0	0	0		_0 _	0	0_	0
13	•	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT	152	77	47	50	12	10	5	5	3	0	ć	0	ε	1	0	0	332
****	*****	*****	*****	•••••		*****		EPTANCE	63175	074		*****	******	••••	•••••	*****	••••
				REJE	CT IF			OTAL CH				NE ACC	EPT IF	< N			
			٧:		1	S	3	4		5	6		7	8	9	1	10
		EPTANO	<u> </u>	5	b	190	254_	287	30		314_	32		25	329	32	29
PE	PCFNTA	GE		17.	<b>4</b> 5	7-1	76.3	86.2	90.	4	94.3	96.	4 97	•6	98.8	98.	.8
	CT_REL	ECTION	·	15		67	<u>26</u> 7.8	13_ 3.9	2.	ē	1.2		<u>2</u>	1	0_		<u> </u>
_											-	•	-		.,		-
	RECT_A PCENTA	CCEPTA	NCE	<u>5</u> .			32 9.6	<u>Z5</u>	1	8	3.6	2.	y	. <u>5</u>	3_		<u>.</u>

INCORRECT HEJECTION
PERCENTAGE

## MULTIPLE REGRESSIGN ANALYSIS: NON-LINEAR FIT

#### KNOWN ERRORS RUN 3

			QU	ANTIZE	D SCATTE	R DIA	GRAM	OF P	REDICTE	D KNON	N EF	RORS	vs.	ACTUA	L KNOW	N ERRO	RS	
								ACTUA	L_KNOWA	ERROR	S							
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOT
	_0_	165	_18_		00	0	0	0	0	0	0		0	0	0	00	0	190
5	1	56	27	10	8	1	0	1	0	0	0	0	0	0	0	0	0	103
5	2	9	4	5	4	4	3	1	0	0	0	0	0	0	0	0	0	30
I C	3	Z	0	1_	3	0	1.			0	0_	0	0	0	0	0	0	7
Ŧ	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Đ.	5	0	0	0	0	0	0		1	0	0	- 0		0	₀	. 0 -	. 0	- 1
⊀.		-							,									_
U Y	•	0 _	0_	0	—_ 3——	_0	0	0			0	9	0	0	0_	0	Ō	_ 1
4	7	0	0	0	0	0	0	0	9	0	0	0	9	0	0	Đ	0	0
Ë	•	U	0	0	0	Q	0	0	0	0	0	G	٥	ō	0	0 "	0	0
R	Ģ.	Ð	0		9	2_		0	_0		0	0_	_ 0	Q	. 0	o	. 0	0
9	10	0	0	0	0	c	0	0	0	0	0	0	0	0	0	0	0	0
P	11	3	9	á	<b>-</b> ,	o		₋ -×		0	0	ú	- 1	0	0	0	0	1
,		_	_		-	_	_	-	-	_					-			_
	12	ŷ	Ų	9	Ģ	_ 0	.0	.0	.0	0	0	Ō	0	0	0	þ	0	0
	13	9	G	9	0	9	0	0	0	0	0	0	٥	0	0	٥	0	0
	167	222	44	23	١٦	>	4	7	è	0	0	0	1	0	0	0	0	333
240	• 0 0 9	40000	*****	,,,,,,,	******	-			*****					****	•••••	*****		
					WEJEC1				SCHATLES NWOWN É			: • CR = 1	N# ACCE	PT IF	< N			
				14:	1	_	2	3			5		7		ь	,		10
																		_
,		YKT ∌CL E≃CENTA		:	100 49.5		).4	90. <b>-</b>	319 95.6	32 97,		325 9 <b>8.</b> 5	330 39.1		33 <i>2</i> 9 <b>.</b> 7	332 99.7	3: 99.	
				_	70													
,		£CT -€J 1-(F\}		•	55.8 10	i	25 1.5	7 2•1	3 • •		3 .9	.p	•3		.3	1 +3		1 .3
		<u>E</u> CT =		14:62	رې		<b>?</b> 7	2ž	11		e	3	ą		9	0		0
	=	£#CF*TA	St		7.5	•	•-1	6.0	3.3	1.	, đ	•9	.6	•	•0	.0	•	.0
		a-fc1 -		VC	97 20 :	,	15	3	· · 0		0		.0		n n	.0		0
	_		· c · L		50-1	-	•••	. ~	• 0	•		. 0	• 6	,	.0	• 0	•	. 0

## MULTIPLE REGRESSION ANALYSIS: NON-LINEAR FIT

### POSSIBLE ERRORS RUN 3

			QU	ANTIZED	SCATTER	DIAGRA	4 OF	PREDICTED	POSSIBL	E ERRORS	٧S.	ACTUAL	POSSIBLE	ERRORS	-
_	_							UAL POSST						<b>-</b> * .	_
	•	) ••••••	1	2	3	4 5	6 ******	7	b 9	10	11	12	13 14	15	TOT
	0	104	_24			00		0	_00	. 0	0,	0	.0 0	2	135
i	P P 1 E	41	37	10	11	2 1	1	1	0 0	• 0	0	0	0 (	0	124
	2 0	11	16	9	5	7 1	G	0 =-	0 0	0	0	0	0 0	. 0	49
4	! C. 3.	3	1-		<u> </u>	32		0	0	0	Ω	_ 0 .	ο ο	0.	13_
į	T E 4 D	1	0	2	1	2 1	0	0	1 0	1	٥	0	0 0	c	9
	•	<b>5</b>	0	9	1	0 0	G	0	ō o	Ō	0	a	0 0	· .	1 .
1	p 0. 5⊾		0			20		e	10	0	. 0	_ 0	.0 .0	<b>.</b>	_1_
!	S 7	c	ə	9	0	0 0	0	0	1 0		0	0	0 0	0	1
	3 6	Ç	0	9		0 0	Ü	0	0 0	0		- o	* ō ~ ′ c	. 0	. 0
!	L ፫	2	0		2	.00			.00	0	0_	0	.00	0	. 0
	E 10	0	0	0	0	0 0	0	σ	0 0	0	0	0	0 0	0	0
-	R 11	9	0	0	0	0 0	0	O	0 0	0	0	0	0 0	Õ	0
i	U K 12 S	0	0	0		00	9.	0	0 0	0	Q	. 0	_00	0	. 0
	13	0	0	0	0	0 0	0	0	0 0	0	0	0	0 0	0	9
•	TOT	140	76	29	19 1	4 5	2	,	3 0	1	ō	- ō	0 0	0	332
•••	••••	•••••	•••••	******	******	•••••		******			•••••	*****	******	*******	*****
					REJECT			CCEPTANCE POSSIBLE			NI ACC	EPT IF	< N		
			•	¥:	1	5	3	4	5	•		7	8	9 1	0
_		ECT_ACC		Ε	10*	225_	277		319		32		2633	133	91
	P	ERCENTA	GE		31.2	67.9	83.2	90.4	95.6	97.6	98.	2 98	.5 99.	¥ 59.	4
		ECT_REJ			121		15		2.	2_		<u>1</u>	0	<u>.</u>	.0
		EPCENTA			36.3	12.3	*.5			••	•	3	•0	0 .	.0
		HPECT A		WC5 _ =	9.3	4.9	30 9.0	19	3.0	1.5	1.	<u>-</u> -	· · · · · · · · · · · · · · · · · ·	1	1
		INCORRECT REJECTION						_	,		•		-	-	-
	LNCO	EFCFNTA	GE GE	.DA	22.4	32_ 32_	1 <u>9</u>		.3	•0		0	0	<del>}</del>	<del>0</del> —

PULLIPLE REGRESSION ANALYSIS: NON-LINEAR FIT

TOTAL CHANGES RIN 4

				*U441;	Z=0 5C4	Mile i	[sylley	OF PF	EVICTED	TOTAL	CHANGES	vs.	ACTUAL	707	<b>~</b>		
									L TOTAL			• • • • • • • • • • • • • • • • • • • •	ACTUAL	IUIAL	CHARGE	5	
		° 000000	, <b>6</b> 6 9 6 7		3			•	7	CHANGE 7	4 10	11	15	13	14	15	Tot
	,		1~	,	1	y	0	°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°	9	••••••	******	******	******	*****	••••••	••••	****
ت 2		7=			_		•	*	,	v	0 0	0	0	0	0	0	83
٤		, ,-	20	17	5	2	1	0	5	9	0 0	0	0	0	9	D	143
:	•	•	!~	1 1	-	4	>	0	0	1	0 0	0	0	0	0	0	56
7		•	-	•	3	4	i	ž	0	0	0 0	o	0	ø	0	0	27
e O	*	0	1	3	1	1	5	5	2	1	σ 0	0	0	0	0	٥	13
Ŧ	~		f	i	i	1	1	ý	0	0	e o	0	0	1	0	0	5
O T	-		*1	tı	1	G	j	ð	e	1	0 g	0	0	0	0	٥	
A L	7	9	• •	9	0	ø	0	J	a	0	0 1	0	0	0	0	•	2
ç	-	Ą	í.	9	**	n	0	0	1	٥	0 0	0	٥	0	-	0	1
- A	_	•	f	,	U		9	o	o	o	0 1	0	o	•	0	0	1
Ħ	10	G	ā	9	9	0	G	0	0		0 0	-	_	0	0	0	1
Ģ	1:		c	e	n	9	9	0	0			0	0	9	0	0	þ
S	17	٠	ን	9	5)	9	ð	o			0 0	0	0	0	0	9	0
	13	s	a	_		7	-	U	O	O (	0	0	0	0	0	0	3
,	or	-		ĵ	0	U	9	0	0	0 (	0	0	0	0	0	0	Ð
	-	152	?7	•5	51)	14	10	>			) ž	0	0	1	0		332
-040	•••		445496	*****	*****	*****		*****	******	•••••	******	******	******	•••••	*****		
					HEJEC	T IF	JECTIO: [JBP4	ACCE	PTANCE	CRITEH) MEKS	A:	NE ACCE					
					_					1003	/ JR =	NI ACLE	PT IF <	H			
_	****	ECT 400	*****	): _	1		2	3	•	5	5	7	•	,	9	10	
•	P	EPCENIA	.E- 1 - 31	LE	ეი 16.5		141 7.6	252 75.7	285	302	315	321	325	, 3	29	329	
_								73.7	85.5	90.7	94.5	96.4	97.6			96.8	
C	Q4P Q	ECT REJ Ercenta	ECT 13:	Ne .	153		56	25	15	6	4	. 3	1			_	
		CZ 48-	·0L		45.7	, 5,		5.4	4-5	1.5	1.2	9	.3		.3	Ö	
I.	~cō	PPECT A	CCtot.	ence.	15		حۇ	30	23	50	••				_	•••	
	2	EFCENTA	GE		9.1	10	.5	9.0	6.9	6.0	12 3.6	5.4	5 1.5		5	3	
Į,	vcc	PEECT A	EJECTI	IO»	90		3-	22					1.3	•	•6	.9	
	٤	E-CFNTA	ut.		24.5		35 ••	55	ð ?••	1.2	i	.0	.3	-	0	0	<b></b>

-ULTIPLE	<b>HEGHESSION</b>	ANALYSIS:	KON- INFAR	E . T

THE TANK	ERROPS	217	

			9	SITMAU	ED SCAT	ER DIA	GRAM OF	٠ ،	PAEDICI	TED AND	WN EF	ROAS	vs.	ACTUAL	KNOWN	ER OR	5	<del>-</del> -
		c	1	2	3		<del></del>	ACTU	AL KNO	N EAROI	kS							
	•	<	•••••	•••••	•••••	*****	5		7 • • • • • • •	5	4	10	11	15	13	14	15	TOT
p	9	165	1-	7	9	0	0 _	0	0	D	e	****** ()	*****	******	*****	*****	****	****
ū		<b>5</b> 5	27	10	9		_		-	•	·	v	g	ð	9	0	9 _	190
Ε					7	1	C	1	G	D	0	9	ð	9	٥	0	9	106
<i>n</i> 1	2	7	•	•	4	•	3	1	0	6	Ó	0	o	_			-	
ċ	ŝ	č	9	2_	2			_			•	·	U	ð	0	<b>Q</b>	0	27
T E		_			-		1	C.	ū	0	C	G	0	0	9	.0	_ 0	
ב ס	4	9	0	0	9	0	0	e	0	٥	ø	0	o	9	0	_	_	
_	4	U	¢	0		9	a	e	_			•	•	•	U	0	0	G
#. *g	3	9	_	_	_	•	•	u	1	O	e	0	0	0	0	9	0	1
Ö	*	2	9	9	9	. 2 _	9	9	I	9	0	0	0	٥	a	9		_
	7	0	ð	O	o	o	٥	0	0	a			-	•	•	¥	.0	-1-
N	4	ø	ď		_		-	•	•	u	9	0	Q	0	0	0	0	9
£		•	•	ij	9	4	0	9	G	4	9	9	٥	6	٥	o	o	_
<u>ت</u> و	4	ę.	9	9	. 9	2	2	0	o	9	0				-	•	•	0
_	10	۵	э	0	a	_	_	_		4	U	0	0	ø	0	0 .	Þ	0
ŝe		-	•		J	9	9	Đ	0	9	9	9	0	0	0	0	0	9
•	11	ų.	0	0	0	ŋ	9	0	٥	b	a	G	_	_	-	•	•	U
	14		€	2	2	0	_			•	•		1	9	3	0	ø	1
			-	•	J	ď	J	0	e	ē	0	9	9	ø	9	9	٥	9.
	13	0	Q	Э	0	9	0	c	0	o	ø	ø	0		_		-	æ,
*	£ 7	232	4.	ور	15	2	_	_		•	•	•	U	0	C	0	٥	0
				_		_		2		Ø	0	9	1	9	0	0	٥	333
		£66368	*****	*****	•••••	******	*****		*****	******	****	*****	•••••					_
					HĒJĒCT	PEJE( IF	TION . PREDIC	ACCE	PTANCE	CRITER						*****		•••••
						_		,	AUBH E	H-4-04-2	> 1	0 × × ₩	ACCE	F C	×			
				*:	1	7	<b>3</b>	3	•	Š	,	3	7	ð		÷		
Ć:	:	CT ALCE	- TANCE		105	205	و د	10	319	324						•	10	
		PCE:14(	it		49.5	80.5			95.5	97.3		325 6.89	330 59.1	332 <del>39</del> .7		35	332	
C		T 2E.	CTION		70	24		_	_	_			****	77.1	99	• /	99.7	
				22.5	7.2		e e	. Ş	. š		5	1	1		.3	1		
ž-,	: <u></u>	fCT 40		ni e	٤۶				-	••		•0	.3	.3	•	.3	.š	
	÷ .	CF-TAU	· £		7.5	2: *•		٤	_11			3	2	ģ		ð		
	£ 1.5				_	3.4		. 7	3-3	l-ē		•9	-5	-0		.0	.0	
-		'≛೯' ಇರ ೧೯.೯೯:	J£ 6710	*s	57	_13		•	g	0		0	o	_		_		
			-		<i>e</i> n+1	3.~	1.	>	• 5			•č	.0	.a		.0 .0	0	

#### MULTIPLE MEGRESSION AVALYSIS: NON-LINEAR FIT

POSSIBLE	ERRORS	RUN 4
----------	--------	-------

	_					-	_	-	_	_		•	-			
		úU	ANTIZEU	SCATT	ER DIA	брам	0F P	REDICTED	POSSIEL	E ERRORS	vs.	ACTUAL	POSS	IBLE EF	RORS	
	p	1	ړ	3		5	_ ACTU	AL.POSSI		ORS → 10	11	. 12	13	14	15	TO:
0.0		999094	****	6 # 0 0 P #	00000	*****	****		*****	******	*****	*****	****	*****	*****	
C	97	29	5	.0	0	0	_ 0.	0	0 (	) _ 0	Q	. 0	Q	0	U	13
								_		_		_			_	
1	44	31	12	11	2	1	1	1	0 (	0	0	0	e	0	0	12
5		17	ಶ	4	4 -	2	0	0	0 (	0	0 -	0	a	0	0	4
č	10	4.	3	•	•		•	v	,	•	•	•	•	•	•	_
3	3	1	2	3	6	1	1	0	0	0	0	0	.0.	_ 0	0	1
-								•				_			_	
4	1	0	2	0	2	1	0	0	1	0 0	0	0	0	0	0	
4	0	o	0	1	0	Ö	~ o	- 0	•	D 1	. 0	Q	0	0	0	
٦,	**	v	J		v	U	٧	U	• '	•	٠	٠	U	v	٠	
5	0	1)	9	0 _	0	0	0		0 (	0 0	U	0	0	0	.0	
	, ,			• •		· ,										
7	0	ŋ	0	0	0	0	0	0	1 (	0 0	0	0	0	0	0	
	_	_			-							<del></del> <del>-</del>		ó	0 -	-
ž	0	6	2	0	O	0	0	0	0 (	0 0	0	U	0	U	U	
٧.	e	_ U	U	0	.0	0	0	0	.0(	0 0.	0	.0	0	0	_ 0	
1.	•	. •	* -		*****											
10	0	0	0	0	0	0	0	0	0 (	0 0	0	0	0	0	0	•
		_				<b>-</b>				:-		÷ ;		<u>-</u>	. 0	
11	n	ŋ	υ	0	0	0	0	0	0	0 0	0	0	0	U	v	
12.	0	0	0	0	9	0	0	0	0	0 0	0	0	0	. 0	0	
	·	•		V					. V.	7-				Z.u.		
13	0	0	0	0	0	0	0	0	0	0 . 0	0	0	0	0	0.	
_	•		-													
OT	180	7 n	59	19	14	5	5	1	3	0 1	0	0	0	0	0	33
		00000		****			****	******		*******		*****	****			
					RE	JECTI	ON & AC	CEPTANCE	CRITER	IA:	-					***
				REJEC	TIF	PRE	DICTED	POSSIBLE	ERRORS	> OR =	NI ACC	EPT IF	< N			
		-					3		5			<del></del>	- á			-
			N:	1		2	د	4	5	6		,	0	7		0
0041	ECT ACC	FPTASC	1E	97	, ,	526	278	302	319	325	32	7 3	28	331	33	31
	EHCENTA		·•	29.1			83.5	90.7	95.8		98.		.5	99.4	99,	
									•		• •	•				
	ECT HEY		·	118		41	19_	7	3	<u>_</u> _		<u>!</u>	_· 0	0		_0
þ	EHCENTA	UE		35.4	. 1.	2.3	5.7	5.1	•9	.3	•	5	•0	•0	•	.0
NCO	FPECIe	CCFOT	MCF	. 34		_33	26	19	6	4			4	1		1
ρ( 1,4-7)	ERCENTA	GE		10.2		9.9	7.8	5.7	2.7	1.8	1.	2 1	.2	.3		3
	_ •	-							_*.	•		_	-			
400	RRECT R	EJECT	ION	83	l	32	9	4	1	. 0		0	0	0_		0
	EKCENTA			24.9		9.6	2.7	1.2	-3	•0			•0	• 0		0

## DISTRIBUTION LIST

REPORT NO. NADC-79163-50

# AIRTASK NO. ZF61412001 Work Unit No. GC333

	No.	of Copies
NAVAIRSYSCOM, AIR-950D		4
(2 for retention)		
(2 for AIR-530)		
DDC		12